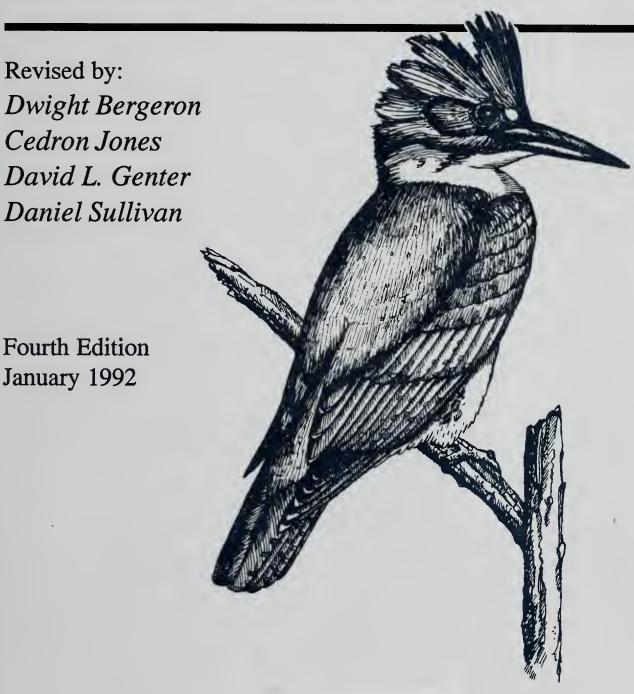
P. D. Skaar's

Montana Bird Distribution

Revised by: Dwight Bergeron Cedron Jones David L. Genter

Fourth Edition January 1992



Montana Natural Heritage Program Special Publication No. 2

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P. D. SKAAR'S

MONTANA BIRD DISTRIBUTION

Fourth Edition

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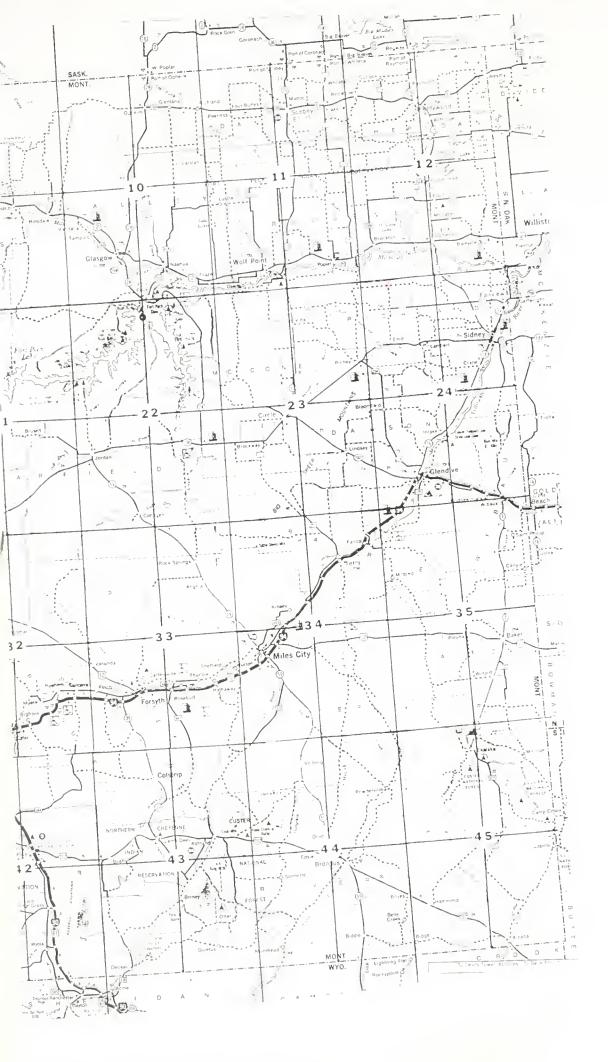
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Special Publication No. 2 Montana Natural Heritage Program 1992



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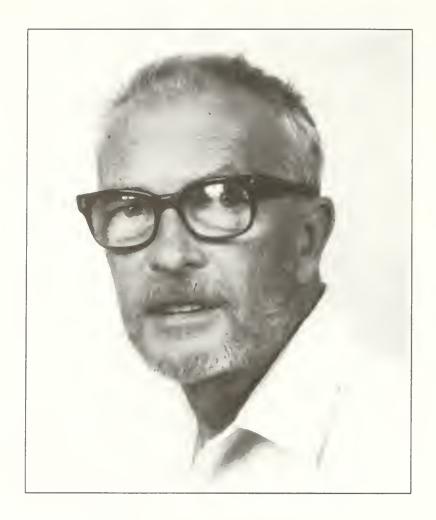


utifying general locations within latilongs and quarter on with the official Montana Highway Map. For rare bird use appropriate BLM 1:100,000 scale maps or USDA Forest

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BIOGRAPHICAL NOTE



Palmer David Skaar

No one person has done more to further the study of Montana birds than Dave Skaar (1923-1983). Dr. Skaar came to Montana in 1957 to join the faculty of Montana State College (now MSU). He was widely respected as a microbial geneticist at that time, and during his career he wrote extensively in that field. He also founded and directed the Genetics Institute at MSU, and served for four years as editor of the Proceedings of the Montana Academy of Sciences. Dave's involvement in the study of Montana bird distribution made him well-known and respected throughout the state. His enthusiasm was contagious, and his patience and modesty were exemplary. He was not one to discourage or belittle the amateur and his words were always encouraging, never demeaning.

Dave pioneered the "latilong" concept in distributional studies. His definitive *Birds of the Bozeman Latilong* was published in 1969 and was a model regional bird account. In 1975, Dave published the first edition of *Montana Bird Distribution*. The impact of this book was tremendous. It motivated and mobilized amateurs and professionals across the state, and resulted in careful ornithological scrutiny of vast areas of Montana that had never before been studied. The Fourth Edition of *Montana Bird Distribution* is one of Dave's ongoing legacies. Future editions will continue as a direct result of Dr. Skaar's inspiration and visionary efforts.

DEDICATION



Larry Steven Thompson

Larry Thompson (1949-1988) was born in Kalispell and dedicated his life to the exploration and study of Montana's rich natural heritage. Larry attended Montana State University and received a Masters Degree from Washington State University, completing a thesis on the biogeographical relationships of bird populations found on Montana's prairie mountain ranges. For 12 years, beginning in the mid-1970s, Larry worked at the Montana Department of Natural Resources and Conservation, involved in the oversight of facility siting. In 1985, Larry became the first manager of the Natural Resource Information System where he began the job of cataloging Montana's natural resources.

Accomplished as he was in his work, it seemed to be his time away from work that touched the most people. He wrote extensively, publishing scientific and popular articles, including one of the Montana Geographic Series, *Montana Explorers*. He coauthored the Third Edition of *Montana Bird Distribution*. He was a natural musician and a gifted artist. (Some of his drawings illustrate this edition.) Above all, Larry was a naturalist. He was interested in, curious about and saw beauty in everything -- big, small, obscure, animal, plant or rock -- it didn't matter. No one could be around Larry without seeing the world differently and having a new appreciation for things commonly passed by. As a person and a naturalist, Larry's contributions to the quality of life and the knowledge and conservation of Montana's natural resources were remarkable. We respectfully, and with great affection, dedicate this edition to him.

PREFACE

The Fourth Edition of P. D. Skaar's *Montana Bird Distribution* is the latest in a series of contributions to Montana ornithology. It was Dr. Skaar who pioneered the use of latilongs as a mapping unit for bird distribution and biogeographical studies. Since the publication of Skaar's first edition (1975), several other states and vertebrate groups have been mapped using the latilong system. In this edition we have begun recording bird distribution in quarter latilong units in an attempt to more accurately display each species' spatial distribution.

This edition begins an effort to provide a visual display of current bird distribution in Montana. It is a transition from previous editions, where all distribution data from the earliest recorded sightings to the most current were represented, to subsequent editions, where only data since the last edition will be represented. We believe this will document changes in bird distribution, drawing attention to contractions or expansions which, we hope, will result in efforts to determine the cause for these changes.

Although historical data will not be displayed in future editions, these data will not be lost. Presently, all data represented in previous editions as well as this edition have been entered into a computer database. These records contain more data than is represented by the symbol on the distribution maps and often include multiple sightings per latilong. The bird distribution database contains over 25,000 individual records. It is housed and maintained at the Natural Heritage Program in Helena and will be updated continuously as additional data are received. The database will be available for use by anyone interested in the distribution of Montana birds.

We plan to publish the Fifth Edition in 1995 with subsequent editions every 5 years thereafter. The success of this effort, however, will depend on the dedication of the birding public, amateur and professional, in submitting observations. We are no longer interested **only** in new latilong records and rare sightings. It is critical that contributors record and report sightings on **all species** for the appropriate quarter latilongs during each revision period.

These changes are not cast in concrete. We want to know what you think of them, and so we have included a Response Form at the back of the book. Please tear it out, fill it in and return it to us.

A few people, with some time and a little money, compiled this publication. In a greater sense, this is a product of hundreds, perhaps thousands, of individuals who made an effort and took the time to write down their observations and report them. These are people who see the beauty, grace, and diversity of birds, but understand that the conservation of bird populations and the environment upon which they depend requires awareness and knowledge. This publication is a tribute to those contributors and our thanks are extended to them.

Helena, Mont. January, 1992

ACKNOWLEDGEMENTS

Dozens of contributors submitted the thousands of recent records to make this update possible. We are most grateful to those contributors who provided recent sightings (see p.108). Centrum data are from the Third Edition. The U.S. Fish and Wildlife Service's Breeding Bird Survey and the databases of the Montana Natural Heritage Program provided additional sources of information.

A steering committee was responsible for the overall production and fundraising for this Fourth Edition. Members include Janet Ellis, David Genter, George Holton, Cedron Jones, Deborah Richie, and Dan Sullivan, all of Helena. Dwight Bergeron was employed to compile data and assist in production. Special thanks to Dwight, Cedron, and Dan for their long and dedicated efforts in data entry, troubleshooting, and keeping things moving.

A verification committee was established to review rare bird sightings and provide advice and comment on a number of issues in the production of this edition. The verification committee is comprised of Chuck Carlson (Chair, Ft. Peck), Helen Carlson (Billings), Dan Casey (Kalispell), Dr. Bob Eng (Bozeman), Bebe FitzGerald (Billings), Harriet Marble (Chester), Terry McEneaney (Gardiner), Fritz Prellwitz (Malta), and Dr. Phil Wright (Missoula). We thank them for their continuing efforts and dedication to a better understanding of Montana birds.

Jim Senkler ably provided us with the design and programming of the database. We thank the Natural Resource Information System and the Montana State Library for staff time and computers. Don Skaar and Dennis Flath provided access to many post-Third Edition records and commented on the draft. Dan Sullivan obtained and compiled the data from the Breeding Bird Surveys. Margaret Beer provided technical support and tolerance for Dwight and Cedron to be on her computers and in her space for much of the past 6 months. Several individuals provided helpful suggestions and advice in planning and review of the project including Kristi DuBois, Shannon Heath, Sue Jackson, Cary Lund, and Don Stoecker. We thank them all.

Financial support for the project came with the cooperation of the following individuals and organizations: Montana Department of Fish, Wildlife and Parks (Dennis Flath & Deborah Richie), USDI Bureau of Land Management (Bob Haburchak), USDA Forest Service (Alan Christensen and Bill Ruediger), Stillwater Mining (Bruce Gilbert), Western Energy Co. (Bruce Waage), WESTECH (Dean Culwell and Pat Farmer), Last Chance Audubon (Helena), Yellowstone Valley Audubon (Billings), Bitterroot Audubon (Hamilton), Five Valleys Audubon (Missoula), William and Lee Ballard, the Montana Audubon Council, and Michael T. Schwitters.

Introduction

Birders in Montana have recorded the presence of 357 species over the past four decades. There are 259 species that regularly breed in the state. The total number of wintering species is 177. An additional 12 species are of hypothetical occurrence (see p.112), including several species that are expanding their ranges and will likely make their way into a future edition of the *Montana Bird Distribution*.

Physiography of Montana

Montana is characterized by 3 physiographic divisions: the Rocky Mountains of the western third, dominated by high rugged mountain ranges dissected with broad valleys; the central plains where island mountain ranges rise out of the grassy plains; and the eastern half in the Northern Great Plains with rolling grass-covered plains carved by major rivers.

Vastly different climate and vegetation occur in Montana. Continental air masses with cold, dry winters and hot summers dominate most of the state. Northwest Montana is more influenced by Pacific moist air with moderate temperatures. The plains range between -40°F(-40°C) and over 100°F (38°C), with annual precipitation between 8 inches (20 cm) and 15 inches (40 cm). Droughts can be frequent and severe. The Rocky Mountains are somewhat cooler and more moist. Annual precipitation generally increases with elevation, much of it as snow.

These factors, combined with Montana's geographic position among the Great Basin, Great Plains, and Northern Rockies, contribute to the great diversity and abundance of birds in our state. Land-use practices have also changed the abundance and distribution of our avifauna. Some species (such as the starling) tend to thrive in human-altered landscapes, expanding their range and numbers. Other species (such as the piping plover) require specialized natural habitat and may become increasingly rare or threatened by habitat changes or encroachment of competitors.

As we view the distribution of Montana birds over time, we will undoubtedly witness the introduction and expansion of some species and the continued decline of others, particularly those that are more specialized. Montana is a large, sparsely-populated state. It is difficult to conceive of high-intensity efforts to atlas birds as in other states. Until the financial and human resources become available, the application of coarse-scale distribution units such as latilongs will continue to be the most feasible. By refining our efforts to the quarter latilong, we will be recording the dynamic phenomena of statewide bird distribution to the best of our current abilities. As additional data are recorded by quarter latilong, we expect this effort to more effectively project species' distribution.

Latilongs as Mapping Units

Latilongs are rectangular units formed by successive parallels of latitude and meridians of longitude, each at one degree intervals (see map on back cover). They form a grid pattern across Montana that includes all or parts of 49 latilongs. The average dimensions of each latilong are 47 miles (76 km) wide and 69 miles (111 km)

long. This represents an average area of 3200 sq. miles (8436 sq. km) per latilong. Latilongs along the Canadian border are 5.4 percent smaller than those along the Wyoming border.

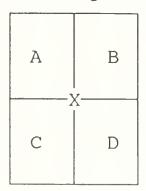
These nearly-uniform units form a global grid across middle latitudes that provide conformity between states and nations. The U.S. Fish and Wildlife Service's Breeding Bird Survey is based on this latilong grid. So successful was Skaar's early use of the latilong as a biogeographic aid (Skaar 1969, 1980), that several neighboring states have used latilongs for mapping bird distribution (Stephens and Sturts 1991; Kingery 1987; Oakleaf et al. 1982) and other vertebrate groups (Thompson 1982; Findholt et al. 1981).

The map on the back cover depicts the 49 latilongs and 185 quarter latilongs in Montana. This includes L48 and L49 which cover small portions of southwest Montana previously excluded from the first three editions. Also enclosed in this edition is a latilong map that has been superimposed over a state highway map. This is an extra aid that will permit accurate location of the quarter latilong (QLL) where an observation is made. For finer resolution when sightings are near boundaries and for reporting rare birds, please refer to the Forest Service, BLM, and USGS topographic maps to accurately determine the correct QLL location.

Quarter Latilongs

The most obvious change from the Third Edition is the use of quarter latilongs (QLL). QLL units are created by dividing each latilong unit into four quarters at the 30 minute degree mark between each degree of latitude and longitude. Each QLL cell retains the number of the latilong cell with the addition of a letter (A,B,C, or D) ordered left to right (Fig. 1). Thus, latilong 25 is now broken into 4 QLLs: 25A, 25B, 25C, 25D (see p.7). Each of the latilongs has the Third Edition data listed in the center (Example "X" Fig. 1). All of the new (post-Third Edition) data are presented in the quarter latilong positions.

Figure 1. Quarter Latilong Letter Code Sequence.



We recognize that the maps displayed in this edition are "busy" and may be confusing at first glance. However, a sufficient amount of new data did not exist to adequately represent the distribution of most birds in Montana. The Third Edition data are retained in the center of the latilong so that there is continuity between the old and new formats. In the Fifth Edition (1995) only the quarter latilong values, based on data submitted since Third Edition data, will be displayed. In the past, contributors have focused on

the rare species and new latilong records. Conversion to quarter latilongs and a commitment to continually update *Montana Bird Distribution* (MBD) requires a fundamental change in the way Montana birders list and submit their observations. For the effort to succeed, all species, common and rare alike, must be recorded for each QLL during each revision period.

Taxonomic changes and subspecies

All species names and taxonomic revisions follow the American Ornithologist's Union (AOU) Checklist of North American Birds, 6th edition (AOU 1983), as amended by the 35th through the 38th supplements (AOU 1985, 1987, 1989, 1991). The AOU has made several taxonomic revisions since the MBD Third Edition. These changes are reflected in the species lists and maps, where appropriate.

In consultation with the verification committee, we identified 5 species for which enhanced data collection for subspecies distribution is warranted. In some cases this is to provide better information for future taxonomic assignments. In others, it is simply of interest to maintain the geographic distinctions between taxa. The species names and maps do not display these subspecific ranges, but we are recording and maintaining records in the databases at the subspecific level. We request that contributors submit records for these species at the subspecies level, whenever possible.

Species for which information is kept on subspecies, races, or forms include:

Northern Flicker

Red-shafted Flicker Yellow-shafted Flicker

Yellow-rumped Warbler

Audubon's Warbler

Myrtle Warbler

Dark-eyed Junco

Slate-colored Junco

Montana ("Oregon Junco")

Pink-sided Junco

White-winged Junco

Gray-headed Junco

Northern Oriole

Bullock's Oriole Baltimore Oriole

Rosy Finch

Gray-crowned Rosy Finch

Gray-headed (Hepburns's) Rosy Finch

Black Rosy Finch

Other Changes

The first arrival dates for species were not included. There was no additional information to update the Third Edition. We have the capacity to record and manage information on arrival and departure dates for all species. We need several contributors to record and submit this information from various regions in the state. Please contact the editors at the Montana Natural Heritage Program for further information.

We have eliminated the "S" and "s" symbols for species documented by a specimen or photograph. Specimen data and photograph records will be entered into the database. Files for photographs, slides, or copies have been established.

Dr. P. L. Wright of the verification committee will compile a list of specimens, including the vertebrate collections where they are stored. This list will be available and updated as additions to the collections occur.

The symbols "?" (questionable sightings) and "I" (uncertain latilong location) found in the Third Edition are not used in this edition. The steering and verification committees will not accept records in these categories so the designations are dropped from this and future editions.

Evaluation of Records

A verification committee was established in June 1991. The committee established rules for conducting business and evaluating records. Criteria for suitable documentation were reviewed and a voting procedure established. The verification committee is responsible for accepting records of rare birds (less than 20 sightings) and sightings of birds outside their normal range. Contributors with observations in these categories are asked to submit a rare bird report describing their sighting (Appendix E). No rare or out-of-range records will be accepted without committee approval.

Species with Special Status

Any special status for each species is indicated by the letters and symbols which follow the common and scientific name.

- n= Rare birds (fewer than 20 verified sightings) are identified by the letter "n" followed by the number of sightings. The most recent sighting is listed with location and date.
- TES We have identified those species that are considered threatened, endangered, or sensitive in Montana or throughout their range by the symbol TES. Species assigned to this category are any one of the following: federally recognized endangered, threatened, or candidate species for listing under the Endangered Species Act; U.S. Forest Service sensitive species, as assigned by the Regional Forester; or species of special concern, as recognized by the Montana Natural Heritage Program and Montana Department of Fish, Wildlife, and Parks. A list of species in each of these categories is found in Appendix A. It is important to note that all of these lists are subject to change. For current information, contact one of the local offices of the US Fish & Wildlife Service; Montana Department of Fish, Wildlife, and Parks; US Forest Service; or Montana Natural Heritage Program.
- Another group of species was identified as being poorly known in the state or as having unique breeding habits that warrant further study. There is a need for additional information on the distribution, breeding habits, and status of these "species needing additional information," or SI.

Contributors submitting sightings of TES and SI species are requested to submit detailed information. This information should include the date of observation, specific location, number of individuals, and details on nesting, if observed. This is an

important aspect of maintaining statewide information on species that are either more vulnerable, less visible, or experiencing range or population decline. Rare bird sightings are requested to be submitted on the rare bird report form (Appendix E).

Neotropical Migratory Species

There are many birds that breed or migrate through Montana and spend their winter in the "neotropics" (Central and South America). Recent evidence suggests that populations of some of these bird species may be declining. Thus, in 1990 the National Fish and Wildlife Foundation proposed a major initiative for the conservation of migratory land birds that breed in North America and winter in neotropical countries. Several major federal land management agencies, conservation groups, state fish and wildlife agencies, and academics have joined to develop the Neotropical Migratory Bird Program. This collaborative effort attempts to determine the causes for declines in our migratory bird populations. Part of this effort involves identification of species vulnerable to declines from either of the two primary causes suggested: fragmentation of breeding ground habitat in the U.S. and Canada, and loss of wintering habitat in Mexico, Central and South America, and the Caribbean.

A major initiative for research, monitoring, and management of migratory landbirds, has been established at the national and local levels. We have listed the Neotropical Migratory Bird species known to occur in Montana (Appendix B). The species included in the program are both long- and short-distance migrants. Wintering zones for species are identified and nicely handled in the "Conservation" subheading of handled-in-the-"handbook (Ehrlich et al. 1988). Additional information and activities are being developed by the local Montana Steering Committee of the Neotropical Migratory Bird Program, including a handbook, monitoring activities, study of habitat relationships, and international partnerships. For additional information on local activities, contact the Neotropical Migratory Bird Program Coordinator, Wildlife and Fisheries, U.S. Forest Service Northern Region, P.O. Box 7669, Missoula, MT 59807.

How to read maps and interpret symbols

Each species is listed by common and scientific name in taxonomic order. Order and family names are inserted to aid in grouping the species. A common name is placed in the top outside margin of each right hand page for the predominant group of species found on that page.

Information on the species' status is provided on the lines beneath some of the names. Symbols and their definitions are explained below. Further information is provided on page 4. See Appendix A (p.109) for a list of species.

- n= Number of documented records (for species with fewer than 20 verified records).
- TES Species considered threatened, endangered, or sensitive.
- SI Additional information requested for these species.

introduced - Not native to North America or a native North American species transplanted to Montana.

The distribution maps are shaped in the general outline of Montana. Each rectangular block represents one latilong. Each symbol within the block represents the highest documented status for the species in each latilong or quarter latilong. All of the Third Edition data are presented in the center of the latilong block. The quarter latilong data are presented in the corners of the latilong block and represent observations submitted since 1985. The symbols used are as follows (see p.113, Appendix D, for complete definitions):

- B Direct evidence of breeding (nest or dependent young observed).
- b Indirect or circumstantial evidence of breeding.
- t Observed, no evidence of breeding.
- Absent or no observations submitted.

The winter distribution of species is recorded between December 15 and February 15. Winter maps display data in latilong blocks only. However, post-Third Edition data are recorded by QLL in the database. The symbols and their definitions are:

- W Overwintering. Regular sightings during the winter period.
- W Overwintering not yet documented, but species observed at least once between Dec. 15 and Feb. 15.
- Absent or no verified winter records submitted.

Example: In the map below, Third Edition data show a verified sighting of an American Flamingo in Latilong 25 by the presence of a "t" in the center of latilong block number 25. There is a "t" in the "A" quarter of the latilong block meaning that a sighting also occurred since 1985. Only 2 sightings have been recorded (n=2). The most recent sighting was in 1988 near Florence along the Bitterroot River. As designated by the symbol, "SI", more detailed information is requested if there are further sightings. In this case, because there are fewer than 20 sightings, verification by the verification committee is required before the report will be accepted. A rare bird report should be submitted. The winter map lists no winter (Dec 15 - Feb 15) sightings.

American Flamingo Gardenus effigis QLL 25A; April 1, 1988 Bitterroot River, Florence n=2; SI

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Submission of New Records

Contributors are asked to submit records in one of two formats.

1. Quarter Latilong Bird Lists: This is a list of bird species observed within a quarter latilong (QLL). If there were several birding trips within a single QLL the sightings from each trip should be summarized into a single master list for that QLL. For each species recorded, list the highest status observed ("B" greater than "b" greater than "t") and then the most recent observation date. Make one list per QLL in taxonomic (Field Guide) order. For full-page form, see p.115.

In areas where you live or that you frequent each year we would like a single master QLL list annually. If the status is listed as "B", briefly state the criteria used (i.e., nest, dependent young, etc.). A brief location description is requested (i.e., Bean Lake, Long Pine Hills, Chinook, Hwy 200, 10 miles west of Simms, etc.).

2. Single Observations (rare, out of range, and SI species)

These sightings require thorough, detailed descriptions. It will be best to use the Rare Bird Report Form found in Appendix E, however, any report format with sufficient information will do. Fill in the information only for items that you actually observed. Do not fill in items you felt you should have seen but did not. It is the exception where all possible criteria are seen. Complete the report as soon as possible following the observation while your impressions are fresh. Please submit any drawings or photographs; they will become part of the permanent record unless return is requested. All rare and out-of-range sightings are submitted to the verification committee. They can only judge your sighting based on your report. "It looked just like the picture in the book" won't pass.

Please submit individual records and individual QLL lists as soon after the observations as possible. For QLLs that you visit more than once, send in a master QLL list annually. New records will be added to the Montana Bird Distribution database on a regular schedule. This will allow for periodic updates and queries on species or selected geographic areas. It will also greatly facilitate producing the next edition.

We plan development of a computer software program that will permit data entry of field sightings by observers with access to personal computers. This will permit observers to send in their observations via diskette. Use of this method of recordkeeping will significantly reduce data entry time at the central database. We intend to design the program so that observers will be able to access and display their own data. All observers with access to personal computers are encouraged to use this method when it becomes available.

Mail all records to:

Montana Bird Distribution Update Montana Natural Heritage Program 1515 East Sixth Avenue Helena, MT 59620

Red-throated Loon Gavia stellata QLL 10D; May, 1991; Ft. Peck n=7	-	-	t -	-	-	-	-	-	-	- t	-	-
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			-	-	t	-	-	-	_	-	~	_
				-	-							
Pacific Loon Gavia pacifica (formerly combined with Arctic Loon)	-	-	t	-	-	-	-		-	-	-	-
LL 3; Sept. 25, 1976; Lake McDonald n=2	-	-	-	-	-	-	-	-	-	-	-	-
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Common Loon Gavia immer TES	B B B B	B B B B	B B B B	t	t	t	-	•	b t	b t	-	t
Gavia immer TES	В	B B B B B	B B B B t B B	t t	t	t -	t	t t			-	t
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Gavia immer TES WWw	B B B	B B B B B	B B B B t B B T B	t t t t	t t t	t t	t	t	t t	t t	t	t
Gavia immer TES WWW	B B B	B B B B B	B B B B t B B T B	t t t t t	t t t t	t t	t	t	t t	t t	t	t
Gavia immer TES WWW WW Yellow-billed Loon	В В В В	B B B B t	B B B B C B B B	t t t t	t t t t	t t t	t t B	t	t t	t t t	t	t
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■ PODICIPEDIFORMES **■** Podicipedidae

Pied-billed Grebe Podilymbus podiceps

WWw	-	W	-	-
WW	-	-	-	-
W-WW	-	-	-	-
WW-W	-	-	-	-

В	В	ь ь в	B b	В	Ь	В	ЬВ	B B	B t	В	В
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		t t	t	b B	t B	b	В	В	В	В	В
	·		b	B B							

Horned Grebe *Podiceps auritus*

wW	-									
wW	-	-	W	-	-	-	-	-	-	-
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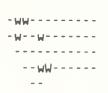
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Red-necked Grebe Podiceps grisegena

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Eared Grebe Podiceps nigricollis



В	3	ВВ	t b b B	ь В Ь	В	b b	В	В	B B	B	t	В
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Western Grebe Aechmophorus occidentalis	B	В	t t	В	t	t	t	b	В	t	-	В
	b	b B b	b	B B	t	t	b	В	b	t	t	t
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Clark's Grebe Aechmophorus clarkii	-	-	-	-	- t	-	-	-	- B	- t	•	-
(formerly combined with Western Grebe) QLL 38A; Aug., 1991; Harrison Lake n=16	•	t - b	-	B -	-	-	-	-	-	t -	-	-
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■ PELECANIFORMES ■ Pelecanidae)											
American White Pelican		_	t				•		, p			, p

American White Pelican Pelecanus erythrorhynchos	-	- t	t	ВВ	t	t	t	t	B B	t	t	ВВ
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■ Phalacrocoracidae

Double-crested Cormorant Phalacrocorax auritus SI

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■ CICONIIFORMES ■ Ardeidae

American Bittern Botaurus lentiginosus

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Least Bittern

/xobrychus exilis
LL 10; June 3, 1976; Ft. Peck
n=3

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Great Blue Heron Ardea herodias

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Great Egret	_	_	_	-	_		_	_	-	t	_	_
Casmerodius albus												
QLL 25B; June 4, 1987; Lee Metcalf NWR n=18	-	t	-	t	t	-	-	t	-	-	-	-
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Snowy Egret Egretta thula	-	-	-	-	t	-	-	-	t b	-	t	t
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Little Blue Heron Egretta caerulea LL 8: July 28 1983: North of	-	-	-	-	*	-	-	t	-	-	-	-
LL 8; July 28, 1983; North of the Little Rocky Mountains n=3	-	-	-	-	-	-	-	-	-	-	-	-
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Cattle Egret Bubulcus ibis	-	-	-	-	-	-	-	-	- t	-	-	-
QLL 9C; June 29, 1988; near Bowdoin NWR n=13	t	-	-	t	-	-	-	-	-	-	-	-
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Green-backed Heron Butorides striatus	-	t	-	-	-	-	-	-	-	t			
QLL 17B; May 22, 1985; Benton Lake NWR	-	-	-		t				t	_			-
QLL 9C; May 23, 1985; Bowdoin NWR n=9	-	t	-	-	t	-	-	-	-	-	-	-	
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Black-crowned Night-heron		F]
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Yellow-crowned Night-heron	_	_	_	_		_	_	t	_	_		_	
Nyctanassa violaceus LL 29; Sept. 26, 1976;								,					
Cottonwood Reservoir n=2	-	-	-	-	-	-	-	_	_	-	-	_	
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■ Threskiornithidae												*******	
White-faced Ibis													
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Wood Stork

Mycteria americana LL 32; May 4, 1918; Custer n=2

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■ ANSERIFORMES ■ Anatidae

Tundra Swan Cygnus columbianus

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Trumpeter Swan Cygnus buccinator TES

-W------W--W-------WW---W---W

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Greater White-fronted Goose Anser albifrons	-	- t	-	-	-	-	-	-	t	t	t	t
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Snow Goose Chen caerulescens	t	t	t t t t t	t	t	t	t	t	t	t	t	t
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Ross' Goose Chen rossii	-	t	t	t	t	t	t	-	t	t	-	t
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Green-winged	Teal
Anas crecca	

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American Black Duck Anas rubripes

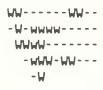
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Mallard Anas platyrhynchos

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Northern Pintail Anas acuta



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Garganey

Anas querquedula QLL 14D; April 4, 1991; Charlo n=2



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Blue-winged Teal Anas discors

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Cinnamon Teal Anas cyanoptera

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Northern Shoveler Anas clypeata

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Gadwall Anas strepera

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Eurasian Wigeon Anas penelope

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American Wigeon Anas americana

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Canvasback Aythya valisineria

WWW-----WW--W-----W--------WW--W---

Redhead Aythya americana

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Ring-necked Duck	В	В	t B	b	_	_	b	t	t	t	t	t
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Greater Scaup Aythya marila	-	-	t	•		-	-	-	-	-	-	-
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Oldsquaw Clangula hyemalis	-	t t	-	-	-	-	-	- 1	t	- t	-	t
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Black Scoter Melanitta nigra	-	-	-	-	-	-	-	-	-	-	-	t
LL 17; Nov. 2 1979; Benton Lake n=4	-	-	-	t	t	-	-	-	-	-	-	-
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Surf Scoter Melanitta perspicillata	-	- t	t	-	-	-	-	-	- t	t	-	t
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	t	t -	-	t	t	-	t	-	-	- -		t
Melanitta perspicillata	t -	t -	- t	t t	t	-	t	-	-	- -	-	-
Melanitta perspicillata	t -	t t t	- t	t t	t t	-	t t	-	- -	- t	-	-
Melanitta perspicillata	t -	t t t	t t	t t	t t	-	t	- t	- - t	t t	-	-

Common Goldeneye Bucephala clangula

- WWWWW- - WWW - WWW - - WWWWWW- - - WWW - - - WWW - - - WWW - WW - W

Barrow's Goldeneye Bucephala islandica

WW-W---WW---W-W--------WW-WW--------

Bufflehead Bucephala albeola

WW-----Ww--W-w------WW-w---wU

Hooded Merganser Lophodytes cucullatus

WWw----w---Ww--W-----WW-w--------wW-w----

В	B B	t t B t t	- t	t	t	t	В	В	B t t	t	В
t t	B t t	B B t	t b b t t	t	t	t	t	t	t t t	t	t
	В	t	t b t	t	t	t	t	t	t	t	t
		t	t	t	t	t	t	t	t	t	-
			t	t t							

В	ВВ	В В b В	ЬВ	t	t	-	•	t	t	-	t
t	t b	b B t	b t t b t	t	•	t	t	•	t -	•	-
	t	b t	t B	t	t	t	-	t	t	•	-
		t	t	t	ЬВ	b	t	t	t	*	-
	· ·		t	B B							

В	В	b B t b	В	t	Ь	t	t	t B	t	t	b
t	t t	B	b b t	Ь	-	t	t	t	t	t	t
	Ь	t	t	t	t	t	t	t	t	t	t
·		Ь	t	t	t B	t	t	t	t	t	t
	·		t	B B							

В	B B	t B	- t	t	-	-	t	t	t	-	t
t	В	B t	t t t	t	•	t	t	t	- -	t	t
	b B	t	t	t B	t	-	t	•	-	t	-
'		-	В	В	t	-	- -	- t	t	-	t
	'		+	t							

Common Merganser Mergus merganser

WW-WW--WW--WW-W---WWW --WWWWW--

В В b b	t B B	b B B B B	B B	b B	В	t	t	В	ВВ	Ь	t
Ь	t b B B t	В b b b	B B B B b	b B t	b t	В	b	В	t t B	b	t
	ВВ	b B B	t b B t	b B B t t	В	В	t	В	В	t	t
		t t b	В	t B	B B	В	В	В	t	t	t
			t	B B							

Red-breasted Merganser Mergus serrator

-	t	t	t	t	t	-	t	t	t	-	t
-	t	t	t t	t	~	t	t	t	t t	t	-
	t	t	t	t t	t	-	t	t	t	t	-
		-	t	t	t	t	t	*	t	-	-
			t	t							

Ruddy Duck Oxyura jamaicensis

Ww------w--w-----

В	В b В	в В	- B	b t b	t b	В	В	B B	b t t	Ь	В
t t	ь В ь	В	В В ь	ВВ	b	В	В	B t	B t b	Ь	b
	В	Ь	В	t t t t	t	t	В	t b	Ь	t	p p
		t b	t	В	Ь	В	В	t	t	Ь	b
			b	ВВ							

■ FALCONIFORMES **■** Cathartidae

Turkey Vulture Cathartes aura

b	t t t	t t t	- t	t -	-	t -	-	t	t t	t	t
b	t B t	b t t	t B	t	-	t	b t	Ь	t b	b	b
	b t B t	t t B	B t	b B t	t	- t	t	b	t	b	t
		t t b	b	b b	t b	t b t	t b B t	b t	t B t	b	t B B B
			-	b							

Osprey Pandion haliaetus

W-----

ı	b		t B								'		
ı	В	В	В	-	t	-	-	- 1	t	t	-	-	
ı	ВВ	В	t B	b	b					t			
	В	B B B B	B B B t B	b t B b	t	•	t	В	В	B B b	-	t	
		B B	t B B	t B B	b B B B B	t	t	t	t	•	t	-	
			b B	В	B B	t b b	В	В	b	В	-	t -	
				b	B B								-

Bald Eagle

Haliaeetus leucocephalus TES

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	B	B B	B B	B B	B B	B B b	b	t	t	t	- t t	t t t	B	b	t
	B 1	В	B B	B B	В	3 B	t B B	B B	B t	t	В	b	t t B	t	В
			E	В 3 b	В	B	B t B	B B t	t	t	t	t B b B	В В В	t B	t
					t .	t	b B B	B B	В b В В	b t	B b	b B	b	t	t
							В	B B							

Northern Harrier Circus cyaneus

WW--Www-ww-w WW-wW-www--w W-WWwwWwwww -WWwWWW-w

В	b b b	t b b b	р р	ВЪ	B B b	В	t B b B	B B	Ь	В	t B
b	t b B b	b b t	b b B t b	ВВ	t B	В	B	В	t t B b	B t	B
	ВВ	B B t	t b B t	t t B b	B t b	р Ф	B B t	t B	b t	B	B
·		B b	В	b b B t	t b t	b t t	t B	b	b	В	B t
	'		p	B b							,

Sharp-shinned Hawk Accipiter striatus

WWWww-----WWW-w-w---ww--WWW-W-w--

	b B t	В	t b B t b	- b	b	b	b	t	t	t t t		t
	В	t b t	b b t	В	b	р	В	t	t	t t t	t	b
,		t t B B	t B	t B t	В	b	b	-	-	t	t	t
	,		t b	t	t B t	b B t t	b t	b	t	t	р	В
				b	t t b							

C 1 TY 1												
Cooper's Hawk Accipiter cooperii	В	t B t	t b B t B	b b	ь	t	-	t	t	t	t	t
	b	B	t t B b	В	b	b	В	b b	Ь	t	В	В
WWW Wwww wwWww-w		t B t	t B	t B	В	В	-	b	-	b	t	t
Ww-W-w w-			b b	ь	В	b B t	b t	Ь	Ь	B t b	t	В
				ь	b t b							
Northern Goshawk Accipiter gentilis TES	b B b t	B	-	-	-	t	В	-	t	t	-	t
	b	t t t	B b B	B t B	t	-	Б	t	b	t b	-	-
WWWWW -WWWW-ww WwWWW-w-w-www		B t B t	t B t	B t	B	В	В	t	t	t	t	-
- WWW - W - W			bь	В	t B	B B t	b	b	b B	B B	B B	t
				Ь	B b							
Red-shouldered Hawk Buteo lineatus	-	-	t	-	-	-	-	_	-	-	-	_
	-	-	t -	-	-	-	-	-	-	-	-	-
Buteo lineatus LL 3; Sept. 13, 1965; West Glacier						-					-	-
Buteo lineatus LL 3; Sept. 13, 1965; West Glacier		-	-	-	-		-	-	-	-		-
Buteo lineatus LL 3; Sept. 13, 1965; West Glacier		-	-	-	-	-	-	t	-	-	-	-
Buteo lineatus LL 3; Sept. 13, 1965; West Glacier		-	-	-	-	-	-	t	-	- -	-	-
Buteo lineatus LL 3; Sept. 13, 1965; West Glacier n=2 Broad-winged Hawk	-	-	- -	-	-	-	-	- t	-	-	-	- -
Buteo lineatus LL 3; Sept. 13, 1965; West Glacier n=2 Broad-winged Hawk	-	-	- - t	-	-	-	-	- t	- - t	- -	-	- - t

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	-	_	_	_	_	_	_	_	-	_	_

Red-tailed Hawk Buteo jamaicensis

WW
WWww-ww
WWWW-WW
WWWWWWW
- W

Ferruginous Hawk Buteo regalis TES

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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	W	W
	-	W	-	-	-	W	-	-	_	-
		-	-							

Rough-legged Hawk Buteo lagopus

		_t	b	b	В		t		В		t
b	В	В	В	В	В	В	В	В	В	В	b
	b		t		b	b		В	t b	b	
	t		b B	В	t				t B		
b	b	В	В	В	В	В	В	В	В	В	b
	В		t				t		t	t	t
		t					В			t	
	t	В	b	В	В	b	В	В	b	В	В
			t	t	В	b					t
		ВЬ		b			В	t t		t	
		b	В	В	Ь	b	b	В	b	ь	В
								В		t	t t
	'		В	b							
			В	В							

b t		b B	р	b	١. ا						
B	В	В	В	В	b	b	t	В	b	b	В
b t	b B	ВВ	В	В	b	b			t t	b	
	t B	Вt	ЬВ						t t		
В	В	В	В	В	b	В	В	В	В	В	В
	b B	t t	b b				t	b	b		t
	b	ВВ	b t	ВВ			В	t		t	
	В	В	В	В	В	b	В	В	В	В	В
	В	t B	b t	b b	t B	b B	t B		В		t
		ВВ	b	ВЬ	ВВ	t t	t t	t t	t B	t t	t
	1	В	В	В	В	В	В	В	В	В	В
			t	t	Вt	t	b	В	Вb		t t
			В	ВВ							
			В	b							

-	t	b b	В В Ь	B B B	Вьь	В	t B B	В В Ь	t t t	t	t B
-	t B	-	b B t	В	В	В	В	Ь	t t B	В	В
	t	t	b	В	В	В В b	ВВ	ь	-	В	ВВ
		t b	В	t B t	t	b	t B	t	b	B t	B t
			B B	В							

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t	t	t	t	t	t	-	t	t	t t t	t	t
t	t t t t t	t	t	t	t	t	t	t	t t	t	t
	t t t	t	t t t	t	t	t	t	t	t	t	t
		t t	t	t	t	t	t	t	t	t	t
	'		t	t							

Golden Eagle Aquila chrysaetos

■ Falconidae American Kestrel Falco sparverius

WW------W--WW-WWW------W-WW-WWWW---WW-W-W-W

Merlin Falco columbarius

Peregrine Falcon Falco peregrinus TES

	_											
В	3	B b t	t b B b B	В В В	В b b	b b	В	В	В В В	t	b	b
Ь)	B t	t b b	B b B b t	В	b	В	B	В	b B B	В	b t
		B	t b B t	b t B	B t B	B t b	B b t	B B t	t B	ВВ	В	В
			p B	ЬВ	ВВ	b B B	B t B	В	ВВ	t B	t B	B
				b B	B b							

ſ	+			b	Ь			+				t
	В	В	В	В	Ь	В	В	ь	В	В	В	В
	t	ь	t	Вt	t B	В	b		b	bb	b	В
1	t	t b	Ь	ЬΒ		t		b		b b		
I	В	В	В	В	В	b	В	В	В	В	В	В
		t b	t b	ВЬ					В	В	t	t
		t	t B	b B	b			В	t		t	
		В	В	В	В	В	В	В	b	b	b	В
		В	t	В	b t	t B	Вt	t B	t	В		b
			ВВ	b	b t	ВВ	t t	t t	t t	t t	t t	Ь
			В	В	В	В	Ь	В	В	В	В	В
				t	t	В	t b	b		b b	b t	t b
				В	ВВ							
				В	В							

b b Ь В В t В t b В b t b t b t t t t t t В В t t В В В b Ь b В t t t b Ь Ь В В t b t t В t b t b b b b В В b t t t b t

	b	b t	t t b t t	- t	t	t	В	t	t	t	-	В
	b	В	В	b	b	-	t	В	t	t t b	t	t
•		t B	t -	b	t	Ь	t	t	b	t	В	t
	·		t	t	В	t b b	t	t B	В	t	t	t -
		'		B t	ВВ							

Gyrfalcon

Falco rusticolus

-W-----WW---W-WWWW-------W---WW--

•	t	-	-	t	-	t	,	t	t	-	-
-	t	-	t t t	t	t	t	•	•	t t t	-	-
	t	t	t	t	t	-	-	t	•	t	-
			-	t	t	-	t	t	t	-	t
	·		-	t							

Prairie Falcon Falco mexicanus

WH- WWH- - WW- W WW- WW- - WWWWW WWWWWWW- WWWWWW W-

b	b t	t b B b	В В В	В В В	b B	В	t b	В В Ь	t	t	В
В	B t	В	В В В b	В	В	В	b t	B t	b B B	В	В
	B t	ВВ	t B	t B	В	B b t	В	В	B t	t B	В
		t B	В	b B	t B B	B t	В	В	В	В	В
			В	B B							

■ GALLIFORMES **■** Phasianidae

Gray Partridge
Perdix perdix
(introduced)

			b	b	b			b B	ВВ			b
	В	В	b	b	В	В	В	В	В	В	В	В
		b	b	Βt	b	Вb	b		В	b b		
ı		В		bВ	В	b				b b		
	b	В	-	В	В	В	В	В	В	В	b	b
		t		b				b	В			
			В	t	t			В			b	
		В	В	В	В	В	В	В	b	В	В	В
		В		В	t		В	t				b
					В	t	В	b				
			b	В	В	В	b	В	В	В	В	В
						b	t					ь
												0
				В	В							

Chukar

Alectoris chukar (introduced)

-W-----

-	b	-	-	-	-	-	-	•	-	-	-
-	В	1	1	1	-	-	-	-	•	1	-
	-	b	-	-	-	-	-	-		-	-
,		-	-	b	- t	-	В	В	b	-	-
			-	-							

Ring-necked Pheasant Phasianus colchicus (introduced)	b											
	-	В	Ь	В	b B	В	В	b B	B B	ВВ	В	b B
,		В		bt	b	bь	Ь		ВВ	ВВ		
	-	B B B	b	b B B b	b B B	В	В	B	В	b В В b	B b	В
WW-WWWWWWWW -W-WWWWWWWWW WWWWWWWWW		t B B	В	В	b B B	B t	B B t	B B t	В	В	b B	В
-WWWWWWW- 			b -	В	ВВ	В	b B	b b B	b B	b B b b	В	В
				-	-					ם ט	<u> </u>	b
Spruce Grouse Dendragapus canadensis	В	В	В В b В	- b	-	-	-	-	-	-	-	-
	В	В	В	В	- t	-	-	-	-	-	-	-
WWW WW WW		В	В	В	В	-	-	-	-	-	-	-
			B B	В	-	-	-	-	-	-	•	-
				-	-							
Blue Grouse Dendragapus obscurus	B B	В	B B B B	- B	-	-	В	-	-	-	-	-
	В	B b t	В	b B B	В	Ь	В	Ь	-	-	-	-
WWWWW WW-wWWW		в В ь	ь В ь	t b B B	t B t	В	В	В	-	-	-	-
W			b B	B B	В	b B B	B t B	B b	В	-	-	~
				В	B B							
Willow Ptarmigan Lagopus lagopus LL 3; Feb. 21, 1914; Midvale	-	-	t	-	-	-	-	-	•	-	-	-
n=1	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-		-	-

White-tailed	Ptarmigan
Lagopus leu	curus

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-	В	B b	-	-	•	1	1	-	ı		-
-	-	В	В	-	-	-	-	-	-	•	•
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Ruffed Grouse Bonasa umbellus

WWW	_	-
WWW-WWW-	-	-
WWWWWW	-	-
- WWWw	-	-
-W		

b		bΒ									
В	В	В	t	-	-	-	-	-	-	-	
b	В	ВВ	В								
	t	Вb	Вt								
В	В	В	В	В	t	В	t	-	-	-	-
В	b b	Βt	В								
Ì	b b	b b	Ь								
	В	В	В	В	В	В	В	t	- 1	-	-
	В	t									
		b			b						
		В	В	В	В	В	В	В	b	-	-
					В	t					
				ВВ							
			_	_	I						



Sage Grouse Centrocercus urophasianus

	WWWW
	WWW
-	WW - WWWW w
	W-WWWWW
	- W

-	-	-	-	t -	b	B b	В	B B	В	В	-
-	-	-	-	-	b	В	В	ВВ	B B b	В	В
	-	-	t	В	В	B B	B B	b B	В	В	В
		В	В	В	В	В	В	b В В	В	b B	B b
	,		B B	В							

		Ŧ										
Greater Prairie-chicken Tympanuchus cupido LL 12; Medicine Lake; (MT	-	-	-	-	-	-	-	-	-	-	-	b
Outdoors 11:25) n=1	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	•	-	-	-	-	•	-
			-	-	-	-	-	-	-	-	-	-
				-	-							
Sharp-tailed Grouse Tympanuchus phasianellus	ВВ	В	B b B	ВВ	b B	В	ВВ	В	B B B B	B	В	В
	-	b	В	b B B b	B B	В	В	В	ВВ	B B	В	В
- W- WWWWWWW WWWWWWWW WWWWWW		b	b	t b	В	ВВ	ВВ	B B b	В	В	В	В
WWWWWWW 			-	b	В	В	В	b B	В	b B	t b B	В
				-	b				1-			
Wild Turkey Meleagris gallopavo (introduced)	В	ВВ	b B	-	-	- В	В	-	t t t	-	-	-
(Introduced)	В	b	B t	b	b	t	В	В	В	В	-	b
WW W-wWWWWw WWWWWWWW		B t	В	b	t B	В	В	ВВ	В	В	В	В
W-WWWW			В	b	•	t B	- b	В	В	В	В	В
				-	-		-					
Northern Bobwhite Colinus virginianus	-	b	-	-	-	-	~	-	-	-	-	-
LL 2; Feb., 1982; Big Fork n=9 (introduced)	-	b	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	b	-	-	-	-	-	-
			-	-	-	-	-	_	-	-	-	-
				-	-							

Yellow Rail												
Coturnicops noveboracensis	-	-	-	-	-	-	-	-	-	-	-	b
QLL 14B; Sept. 30, 1984; East Bay, Flathead Lake		t										
n=3	_	-	-	-	-	-	-	-	-	•	-	-
			_		_	_						
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			_	_	_	_	-		_		_	
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				_	_							
Virginia Rail				Г		<u> </u>			Γ			
Rallus limicola	-	Ь	-	-	-	-	-	-	Ь	b	t	ь
	b	B		b					В			\vdash
	-	В	- t	-	-	-	t	-	-	-	-	Ь
				t								
WW		В	-	В	t	b	-	В	-	-	b	-
-Ww							В	В				
			-	В	b	b	В	t	t	Ь	t	-
				b								
				b	b							
Sora			h		<u></u>							
Sora Porzana carolina	В	В	b b	-	b B	b	b	b	b	В	b	В
Sora Porzana carolina	В	b		b	В	bЬ	b	b	b B	b	b	В
		b b B	b	b b B B			b		B t	b t b	b	В
	b	b b	b b	b b B B b b	B B B	b b b		b	В	b t b		
	b	b b B	b b	b B B b b B	В	b b b		b	B t	t b b		
	b	b B b	b b	b B B B b b	B B B	b b b	В	В	t b	t b	b	b
	b	b B b	b b	b B B B b b B B B B	B B B	ь ь ь ь ь ь	В	В	t b	b t b b	b	b
	b	b B b	ь ь в	b B B b b B B B B	B B B	ь ь ь ь	В	B B	t b	b t b	b	ь
	b	b B b	ь ь в	b B B b b B B B B b	B B B B	ь ь ь ь ь ь	В	B B	t b	b t b b	b	ь
Porzana carolina WW	b	b B b	ь ь в	b B B B B B B D D	B B B B b B	ь ь ь ь ь ь	В	B B	t b	b t b b	b	ь
Porzana carolina W	b	b B b	ь ь в	b B B B B B B D D	B B B B b B	ь ь ь ь ь ь	В	B B	t b	b t b b	b	ь
Porzana carolina W	-	ь в ь	b b B	b B B B B B B D D	B B B B B B B	b b b b в в	B b	ВВВ	b b	b b b b	b	b b
Porzana carolina W	-	ь в ь	b b B b	b B B B B B B D D	B B B B B B B	b b b b в в	B b	ВВВ	b b	b b b b	b	b b
Porzana carolina Common Moorhen Gallinula chloropus LL 15; May 2, 1972; Seeley Lake	- -	ь в ь	b b B	В В В В В В В В В В В В В В В В В В В	B B B B B B	b b b b в в	B b	B B	b b	b b b b	b b	b b
Porzana carolina Common Moorhen Gallinula chloropus LL 15; May 2, 1972; Seeley Lake	- -	ь в ь	b b B b	В В В В В В В В В В В В В В В В В В В	B B B B B B	b b b b в в	B b	B B	b b	b b b b	b b	b b
Porzana carolina Common Moorhen Gallinula chloropus LL 15; May 2, 1972; Seeley Lake	- -	ь в ь	b b B b	ы в в в ы ы в в в ы ы ы ы ы ы ы ы ы ы ы	B B B B B B	ь ь ь ь ь в	B b b	В В В	b b c t	b t b b b b	b b	b b
Porzana carolina Common Moorhen Gallinula chloropus LL 15; May 2, 1972; Seeley Lake	- -	ь в ь	b b B b	ы в в в ы ы в в в ы ы ы ы ы ы ы ы ы ы ы	B B B B B B	ь ь ь ь ь в	B b b	В В В	b b c t	b t b b b b	b b	b b
Porzana carolina Common Moorhen Gallinula chloropus LL 15; May 2, 1972; Seeley Lake	- -	ь в ь	b b B b b	В В В В В В В В В В В В В В В В В В В	B B B B B B	ь ь ь ь ь в	B b b	B B	b b	b b b b	b b	b b
Porzana carolina Common Moorhen Gallinula chloropus LL 15; May 2, 1972; Seeley Lake	- -	ь в ь	b b B b b	В В В В В В В В В В В В В В В В В В В	B B B B B B	ь ь ь ь ь в	B b b	B B	b b	b b b b	b b	b b

þ В В В Fulica americana t B BBBB t b b b b ВВ ЬВ t B B t b B t B t t t b В В В В В В В t В В В b b B B b b t t b WW----t b b b t WWW-W-----В В В В В b В В В b b W-WW-----В btttbt b --WW-W---t B В t t Ь В В В В В В В В В b В b b B B b В **■** Gruidae Sandhill Crane b В b t t t t t t Grus canadensis b B b t b b b t t b b t t t t t t t t В t ь Ь b В В В В В t t t BBb t b t t ВВ В В b b В В b В t t t t t В ВВ В В В Whooping Crane t t t t t Grus americana TES t t ---------t t t t t ----t t t t t t **○** CHARADRIIFORMES **■** Charadriidae **Black-bellied Plover** t t t t t t t Pluvialis squatarola t t t t t t t t t t t

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American Coot

Lesser Golden-plover												
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Snowy Plover												
Charadrius alexandrinus	-	-	-	-	-	-	-	-	-	-	-	-
LL 41; Sept. 5, 1982;	-	-										
Broadview	_	-	-	-	-	· -	-	-	-	t	-	-
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Semipalmated Plover	_	t	-	_	t	t	l t	-	t	t	ĺ -	t
Charadrius semipalmatus									t	<u> </u>		\square
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Piping Plover			t	t	t	_	t t	tt	- B	t	-	t
Piping Plover Charadrius melodus			t	-	t t	_	t t	t t	- B B	-	-	t t
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Charadrius melodus TES		-		t :	t t t	-	t t t t t	t t t	- B B B	- B B B	- B	t t

Charadrius vociferus	В	ВВ	В В b В	B B	ь В ь ь	В В b	В	t B b	В	B B B	В	В
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~ W			В	B t	ВВВ	B B t	В	8	В	B b b	В	B b
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Mountain Plover Charadrius montanus TES	-	t	-	-	-	Ь	b	ВВ	В	ВВ	Ь	-
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■ Recurvirostridae												
Black-necked Stilt Himantopus mexicanus	-	-	-	t	-	-	-	t B	ВВ	-	-	t
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American Avocet Recurvirostra americana	-	t	b t b	t t b t	b B t b	ЬЬ	b	B B	B B B	B t	t	В
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Greater Yellowlegs	t	t	t	t	-	t	t	t	t	t	t	t
Tringa melanoleuca	H	t	t	t		t	_			t t		
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Lesser Yellowlegs Tringa flavipes	t	t	t	-	t	t	t	t	t	t t	t	t
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Solitary Sandpiper Tringa solitaria	t	t	t	t	t	t	t	t	t	t	t	t
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Willet Catoptrophorus semipalmatus	-	t	t t	b	B B	b	В	b	B B	b B t	В	В
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Spotted Sandpiper Actitis macularia	B b	B B	b b B B B	В	ВЬ	В	В	Ь	В	b B t	В	b
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			B b	b B t	b t B t	B B	В В	ВВ	b	b	b	b b
				b	ВВ							
Upland Sandpiper Bartramia longicauda	t	t	b b	b b	b B	b	b b	t b	ЬВ	B	В	В
	-	В	b	b B B	B B	b b	В	В	b	t t B	b	b b
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Whimbrel									1			
Numenius phaeopus	-	t	-	-	-	-	-	-	t	t	-	-
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Long-billed Curlew		Ь	Ь	t	b	b b		t		1		
Numenius americanus	В	t	b B	B b	В	В b b	B b	b	В	b t	b	Ь
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Hudsonian Godwit												
Limosa haemastica	-	t	-	-	-	-	-	-	t	t	-	-
QLL 9C; April 29, 1991; Bowdoin NWR		-	_	t	t	-	t	-	t -	-	-	-
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Marbled Godwit			t	t	b			t	_		_	b_
Limosa fedoa	t	t	t	b	Ь	t b	t	b	B	b t	В	В
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Ruddy Turnstone			ı	1			l	1	1			1 1
Ruddy Turnstone	-	_	-	-	-	-	_	-	t	t	-	t
Ruddy Turnstone Arenaria interpres	-	-	-	-	-	-	-	-	t			t
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Arenaria interpres	-	t	-		t t t	-	-	- t	-	t t	-	-
Arenaria interpres Black Turnstone Arenaria melanocephala		t	-		t t t	-	-	- t	-	t t	-	-
Arenaria interpres Black Turnstone Arenaria melanocephala LL 3; Aug. 28, 1957; Lake McDonald	-	t	-		t t t	-	-	- t	-	t t	-	-
Arenaria interpres Black Turnstone Arenaria melanocephala	-	t	-		t t t	-	-	- t	-	t t	-	-
Arenaria interpres Black Turnstone Arenaria melanocephala LL 3; Aug. 28, 1957; Lake McDonald	-	t t	- -		t t t -	-	-	- t			-	
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Arenaria interpres Black Turnstone Arenaria melanocephala LL 3; Aug. 28, 1957; Lake McDonald	-	t t -	- -		t t t	-	-				-	-

Red Knot Calidris canutus	-	-	-	-	-	-	-	-	t	-	-	t
QLL 9C; May 13, 1988;								_	t			
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Sanderling		,										
Calidris alba	-	t	-	-	-	-	-	-	t	t t	-	t
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Semipalmated Sandpiper	t	t	_	_	t	t	_	_	t	_	_	t
Calidris pusilla		t			,	,		1	`	i		`
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Western Sandpiper		t	t	t t	t t t	t	t	t	t	t t t	t	-
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Least Sandpiper Calidris minutilla	t	t	-	-	t	t	t	-	t	t	-	t
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White-rumped Sandpiper Calidris fuscicollis	-	t -	-	-	•	-	-	-	t	t	-	- t
QLL 2A; July 29, 1985; Dry Lake, Fortine n=14	-	-	-	-	-	-	-	-	-	t t	-	-
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Baird's Sandpiper Calidris bairdii	t	t	t	t	t	t	t	-	t	-	_	t
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Calidris bairdii		t t t	t - t	t t	t t t	- t	t	t	-	t t t	t	- -
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Pectoral Sandpiper		t t t	t t	t t	t t t t	t	t	t	-	t t t t	t	- t
Pectoral Sandpiper	t	t t t	t t	t t t	t t t t	t	- t t t -	t	- -	t t t t	t	- t
Pectoral Sandpiper	t	t t t t	t	t t t t	t t t t t	- t	t t	t	- - t	t t t t	t	t t t

Dunlin Calidris alpina	-	t	-	-	-	-	-	-	t	t	-	t
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Curlew Sandpiper Calidris ferruginea	-	-	-	-	-	-	-	-	-	-	-	-
LL 17; May 14, 1972; Benton Lake n=1	-	-	-	-	t	-	-	-	-	-	-	-
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Stilt Sandpiper Calidris himantopus	t	t	t	-	-	-	-	t	t	- t	-	t
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Calidris himantopus Buff-breasted Sandpiper Tryngites subruficollis		t	-	t -	t	-	- t - t	t t t	t t	t t t	- t	- t
Calidris himantopus Buff-breasted Sandpiper	-	t	-	t	t t	-	- t - t	t t t	t t	t t t	- t	- t
Calidris himantopus Buff-breasted Sandpiper Tryngites subruficollis LL 14; Fall, 1982; Pablo Reservoir	-	t t	-	t	t t	-	- t - t	t t t -	t t -	t t t	- -	- t
Calidris himantopus Buff-breasted Sandpiper Tryngites subruficollis LL 14; Fall, 1982; Pablo Reservoir	-	t t	-	t	t t	-	- t - t	t t t	t t -	t t t t	- -	- t

Short-billed Dowitcher Limnodromus griseus	-	t	-	-	-	-	-	-	t	-	-	t
QLL 25B; July 23, 1988; south of Frenchtown n=19	-	t	-	t -	-	-	-	-	-	-	-	•
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Long-billed Dowitcher Limnodromus scolopaceus	t	t	t	-	t	t	t	t	t	t	t	t
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Common Snipe Gallinago gallinago	В	В	b B b	b	ЬВ	b	В	t b	b	t	b	В
	b	B b	B b t	ь ь В ь ь	b	b b	В	b	t b	t	b b	b
₩₩₩w ₩₩w-₩ ₩₩₩₩		B B	В	b b b B	b B b	B	b b	b b t	b	b b	b	b b
- พฟฟฟฟ พพ			B b	B	b B B t	B B	t b B t	В	b b	b b	b	b
				b b	B B							ų.
American Woodcock Scolopax minor	-	-	-	-	-	-	-	-	-	-	-	-
LL 14; Oct. 1, 1983; Ninemile Creek n=2	-	t	-	-	-	-	-	-	-	-	-	-
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		_	-	-	-	-	-	t	-	-	-	-

Wilson's Phalarope Phalaropus tricolor	b	B t	B b	рр	ВВ	ь В ьь	Ь	b	B B	b	b	В
	-	t B t	B t	ь в в ь ь	B B	Ь	В	В	t	t b B	ь	b
		t B t	b b	Ь	t b t b	b t b	ЬВ	B B t	b	Ь	t	b b
			t b	B t	t B	b	t b B	t b	b b t	р	b B	b
				b	ВВ							
Red-necked Phalarope Phalaropus lobatus	-	t	t	t	-	-	-	-	t	t	t	t
	-	t	-	t	t	t	t	-	t	t	t	t
		t	t -	t	t	t	t	t	-	-	t	-
			-	t	t	t	t	-	-	t	t	-
				-	t							
Red Phalarope Phalaropus fulicaria	-	-	-		-	-	-	-	t	-	-	-
QLL 9C; July 24, 1984; Bowdoin NWR n=6	-	-	-	-	-	-	-	-	-	-	-	-
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■ Laridae												
Pomarine Jaeger Stercorarius pomarinus	-	-	-	-	t	-	-	-	-	-	-	-
QLL 40B; June 28, 1990; Halfbreed NWR n=4	-	-	-	-	-	-	-	-	-	t	-	-
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Parasitic Jaeger Stercorarius parasiticus	-	- t	-	-	-	-	-	-	-	-	-	-
QLL 2D; Nov. 15, 1987; near Somers n=13	-	-	-	t	t	-	-	-	-	-	-	-
		•	-	-	t	t	-	-	-	-	-	-
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				-	t							
Long-tailed Jaeger Stercorarius longicaudus	_	_	-	-	•	-	-	-	-	_	-	-
QLL 14B; Sept. 30, 1988; Flathead Lake southwest of Wildhorse Island n=6	•	t	-	-	t	-	-	-	-	-	_	-
		-	t	t	-	t	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-
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Laughing Gull Larus atricilla	-	-	-	-	-	-	-	-	-	-	-	-
LL 27; May 27, 1980; Warm Springs n=1	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	t	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-
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Franklin's Gull Larus pipixcan	-	- t	t b t	t	b	b	b	t	ВВ	t	t	b
SI	t	t	t	t B B	-	t	t	t	t	t t	t	t
		t	-	t	t b t	t	t	t	t	t	t	t
			t -	t	t	t	В	t	-	t	t	t
				t	ВВ				•	•	•	

Bonaparte's Gull t t t t t t Larus philadelphia t t t t t t t t t ----t ----t t t t t t t t ----t t t t t t Mew Gull t Larus canus LL 10; Oct. 26, 1977; Ft. Peck n=1 _____ ----------Ring-billed Gull t t t b t t t t b В В t b t В t t В Larus delawarensis t t t B В t b b В В t SI t t t t B t B t t t t В b В В t В В t t t t t b b t t t t wW-----ww-t t WW-----b В В t t t t t t t t ---W-----B t t t --W--M---t t t ttlt t t t t t t t t t t t t В t California Gull t b t t t t t b В В b В t В t t В Larus californicus В b b b b b B B t В t SI t t B В t B t В В В b В t t В t t b t b t t t -WW-W----W-t t t -w-----w-t b В В t t t t t Bt t t --WW-W---t t t t t t t t t t t t

b t b В

t

Herring Gull Larus argentatus	t	t	t	-	t	-	-	-	В	t	-	t
	t	t	-	t	t	t	-	t	t	t	-	-
WWW WWWW		t	t -	-	t	-	t	•	t	-	-	-
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Thayer's Gull Larus thayeri	_	-	-	-	-	-	-	-	_	t	-	_
QLL 10D; Nov. 16, 1991; Ft. Peck n=3	-	-	-	-	-	-	-	-	-	- -	-	-
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Iceland Gull Larus glaucoides	-	_	-	-	-	-	-	-	-	t	-	-
LL 10; Dec. 14, 1979; Ft. Peck n=2	-	-	-	-	-	-	-	-	-	-	-	-
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Clauseus Cull			T			T .	T		_	Τ	T	
Glaucous Gull Larus hyperboreus LL 10; Jan., 1984; Ft. Peck	-	t	-	-	-	-	-	-	-	t	-	-
n=11	_	t	-	-	-	-	-	-	-	t	-	-
		-	-	-	-	-	-	-	-	-	-	-
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Glaucous-winged Gull Larus glaucescens	-	-	-	-	-	-	-	-	-	- t	-	-
QLL 14B; Jan. 26, 1991; Polson n=2	-	-	-	-	-	-	-	-	-	-	-	-
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Great Black-backed Gull Larus marinus	-	-	-	-	-	-	-	-	-	- t	-	-
QLL 10D; Feb. 21, 1987; Missouri River below Ft. Peck power plant n=2	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
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Black-legged Kittiwake Rissa tridactyla	-	-		-	-	-	-	-	-	-	-	-
QLL 28A; Nov. 23, 1990; Canyon Ferry Dam n=4	-	t	-		-	-	-	-	-	-	-	-
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Sabine's Gull Xema sabini	- t	-	•	-	-	-	-	-	-	-	-	-
QLL 1D; Sept. 17, 1985; Libby Dam n=10	-	t	-	-	t	-	-	-	-	-	-	-
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Ivory Gull Pagophila eburnea LL 10; May 25, 1974;	-	-	-	-	-	-	-	-	-	t	-	-
Ft. Peck n=1	-	-	-	-	-	-	-	-	-	-	-	-
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Caspian Tern Sterna caspia	t	t	t			-	-	-	b t	b	-	t
SI	-	t t	-	t	-	t -	-	-	b t	B B B	-	-
		t B	t	t	b	t	-	-	-	-	-	t
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			<u></u>	-	t			L	1	<u> </u>	<u> </u>	
Common Tern Sterna hirundo	-	- B	t	t	b b	t	b	В	B B	B t	t	В
	-	E 1	t	t B B			b	В	В	t	t -	B
Sterna hirundo		B t B		В	b B	b			B B	t t B		
Sterna hirundo		B t B	t	ВВ	B B	- -	t	В	B B B	t t B	-	t
Sterna hirundo		B t B	t	B B	B B	t	t	В	B B t	t t B	t	t -
Sterna hirundo si Forster's Tern		B t B t	t	B B	B B	t	t	В	B B t	t B B	t	t -
Sterna hirundo sı	-	B t B t	t	B B t	B B t	t t	t	B B	B B t	t B B	t	
Sterna hirundo si Forster's Tern Sterna forsteri	-	B t B t	t t	B B t	B B t	t t	t t	B B	B B t	t B B	- t	t -
Sterna hirundo si Forster's Tern Sterna forsteri	-	t b B	t t	B B t	B B t	t t	t t t	B t t	B B t	t t B	- t	t -
Sterna hirundo SI Forster's Tern Sterna forsteri SI	-	t b B	t t	B B t	B B t	t t	t t	B t t	B B t	t t B	- t	t -

Least Tern Sterna antillarum	-	-	-	-	-	-	-	-	-	-	- B B	t
QLL 43A; June 5, 1991; Castle Rock, Colstrip n=8 TES	-	-	-	-	-	-	-	-	-	B B -	-	-
		-	-		-	t	-	-	-	-	B -	-
			-	-	-	-	-	-	-	t -	-	-
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Black Tern Chlidonias niger	b	B b b	B B	-	В	b	b	t	B B	t	t	В
	-	B	B	t B	В	t	t	t	b	t t B	t	t
		t	В	В	b	t	t	b	t	t	b	t
			b	t	b t	1	В	t	_	t	t	t
		'		t	B b							
■ Alcidae												
Marbled Murrelet Brachyramphus marmoratus	-	-	-	-	-	-	-	-	-	-	-	-
QLL 15C; June 26, 1985; North end of Seeley Lake n=1 TES	-	-	- t	-	-	-	-	-	-	-	-	-
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Ancient Murrelet Synthliboramphus antiquus	-	-	-	-	-	-	-	-	-	t	-	_
LL 10; Dec. 10, 1979; Ft. Peck n=5	-	t	-	-	_	_	-	_	-	_	-	-
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Rock	Dov	e
Colur	nba	livia
(intro	oduce	ed)

b	В	B b B	ь ь в ь	b B	B B b	В	рр	b B	В	В	b B
b	B b B t	b	ВВ	В	b B	В	В	b	t t B b	В	b
	t B B	B B	b B	b B	Ь	B B	ВВ	b	b b	b	b b
		-	В	B B B t	B B	b b t	b b B	b	b b	-	В
			b	Ь							

Band-tailed Pigeon

Columba fasciata
QLL 15A; Sept. 25, 1991;
Spotted Bear Ranger Station
n=18

t	t	t	-	-	t	-		•	-	-	-
t	t	t	-	-	-	-	-	-	-	-	-
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White-winged Dove

Zenaida asiatica LL 17; June 27, 1979; Benton Lake NWR n=1

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Mourning Dove Zenaida macroura

WW---W----W------W-W------

			b b	b	b			b				b
ı	b	В	b	В	В	В	В	В	В	В	В	В
Į	b	В	t b	b	b	Вb	b	b	В	ВВ	b	
		t b	t t	b B	В	b				ВВ		
ı	b	В	В	В	В	Ь	В	В	В	В	В	В
	В	b b	B t	b				b	b	b	b	b
		b	t B	t b	b			В	b		b	
		В	В	В	В	Ь	В	В	В	В	В	В
		В	b	t t	b t	В	ВЬ	b b		b	t	b
			b		b t	b	b	b b	b t	t b	t b	b
			В	В	В	В	В	В	В	В	В	В
				b	t	b t				b b	b t	t b
					t t							
				b	ь							

■ CUCULIFORMES ■ Cuculidae **Black-billed Cuckoo** t Ь Ь b Ь b b b b b Coccyzus erythropthalmus b b b b Ь b b b Ь Ь Ь ----------В b b b b b b b -----В b b B b b b b b b Ь b b В В Ь В Ь В t Yellow-billed Cuckoo t t Coccyzus americanus t ----t ----t b b b ----t ----b b b **■** STRIGIFORMES ■ Tytonidae Common Barn-owl t t t Tyto alba QLL 26A; July 7, 1991; Rattlesnake drainage north of Missoula t n=10 ----t ----t t **■** Strigidae Flammulated Owl Otus flammeolus t QLL 25D; July 29, 1991; Blodgett Canyon n=9 -----В В --------t t t

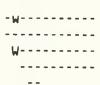


Eastern Screech-owl Otus asio QLL 41B; Dec. 12, 1988; Yellowstone River north of Huntley n=13 SI

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Western Screech-owl Otus kennicottii si



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Great Horned Owl Bubo virginianus

			В		b	b						
ı	В	В	b	В	В	В	В	В	В	В	В	В
l	b	В	В	Βt		b	b	L	В	В		
I	b	t b		b B						t B		
ı	t	В	В	В	В	b	В	В	В	В	В	В
l		t t	t	В					В	t	t	t
		t b	В		t t				t			
		В	В	В	В	В	В	В	В	В	В	В
		В	t	b t	В			В		t		
			b b	b	В	В	t	t				b
			В	В	В	В	В	В	В	В	В	В
						В	В		В			
					В							
				D	D I							

Snowy Owl t t t t t t Nyctea scandiaca t t t t t t t t t t t t t t t t t WW-WWWWWWWW -W-WWWWWWww t t t t t t t t t t W--WWWWWW-W-M-MMM--M t t t t t t t Northern Hawk-owl t t t Surnia ulula LL 14; Dec. 20, 1981; Pablo Reservoir t n=12-W---------t -------W----t t Northern Pygmy-owl В b b Glaucidium gnoma t b t t t t t b b b b t b WWW----t t t WWW----b b t t t t t WWW-----В --WW---b b b В b t **Burrowing Owl** b t b b t В В В В В Speotyto cunicularia В В В b b В t B b (formerly genus Athene) В В **TES** b b В t t b В В В t t -----t b В t b В b b b В t ------В В В b В В b t b В b

t b

t

Barred Owl Strix varia

WW-----

Great Gray Owl Strix nebulosa TES

WWW--------W---------W------

Long-eared Owl Asio otus

WW---W--W -W-W------W---Ww-wWWw-

Short-eared Owl Asio flammeus

-					_							
	b	B b	b b b	-	-	-	-	-	-		-	-
	t	b t	b t B	t	-	-	-	-	-	-	-	-
		t t t	B b	t	-	-	-	t -	-	-	-	-
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b	B b	ь В Ь Ь	Ь	-	-	-	-	-	t	-	-
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			-	b b B							

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-	t b B	-	t	В	Ь	B B	В	t	b	-	В
	B B	Ь	t	b	t	-	В	b	t	В	В
		t -	В	В	b	t	t	ВВ	ВВ	b	В
			-	В							

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b	b B	b	b	ь В ь	b B t b	B b	t B t	B B B	b t	b	В
-	t B b	t	B B	B B	t b	В	В	Ь	t t B t	b	b
	B B	b	b	р Р	Ь	Ь	B B	t b	t t	b	B t
		B b	t	Ь	b	t	t B	t	b	t b	b
			b	В							

Boreal Owl Aegolius funereus TES	- -	b t	В	-	-	-	-	-	-	-	-	-
123	_	-	b b	b -	-	-	-	-	-	-	-	-
-W		b b t	t b b	- b	-	b -	-	-	-	-	-	-
			р р р	-	t	t	-	-	-	-	-	-
				-	-							
Northern Saw-whet Owl Aegolius acadicus	B	B	b b	~	•	-	-	-	t	t	-	-
	t - b	В	b	b b	-	-	b	t	-	t	-	-
WWWW -WWW W-W		t B	В	t	t	t	t	-	b	t	t	-
Ww-wWW -w	,		b b -	b -	В	Ь	t	t	b	Ь	-	t
				-	Ь							
■ CAPRIMULGIFORMES ■ Caprim	ulgid	lae										
Common Nighthawk Chordeiles minor	В	В	t b B t b	ь	b B t	B B b	В	b	ВВ	b t b	Ь	b
	ЬВ	b B b t	t b t t	b b	В	b b	В	В	b b	t t B b	b b	В
		2.5	Y		_							
		B B B	b b B t t	В В	B B b t	b b	ь	B B t B	b B	b b	B t	b
		В	В	b B	В			В	b B	b	В	b
		В	B t t	ь в ь	B b t	b b	ь ь в	B t B b	b B b	b b t t	B t	b b
Common Poorwill Phalaenoptilus nuttallii	-	В	B t t	ь в ь ь	B b t b	b B 8	ь ь в	B t B b	b B b	b b t t	B t	b b
	- t	ВВ	B tt	b B b	B b t b B	b b B	ь в ь	B t B B	b B B	b b t t B b	b B	b b
	-	B B	B tt	b B b b	B b t b B	b B	ь в ь	B t B b B	b B B	b b t t B b	B t b B	b b B b
	-	B B	B tt	b b b	B b t b	b B	ь в ь	B t B b B	b B B	b b t t B b	B t b B	b b B b

Caprimulgus vociferus QLL 1D; June 28, 1990; Libby Dam n=1		-	-	-	-	-	-	-	-	-	-	
■ APODIFORMES ■ Apodidae			-	-								
Black Swift Cypseloides niger	b b	t b	-	-	-	-	-	-	-	-	-	
	b b	B	-	-	-	-	-	-	-	-	-	i
	t	t	-	-	-	-	-	-	-	-	-	
		_	-	t	-	-	-	-	-	-	-	
			-	-								
Chimney Swift Chaetura pelagica		-	-	-		t	-	t	B B	t	t	
		-	-	-	-	-	_	-	t	-	b	
	-	_	-	-	-	-	-	t	В	В	t	
		-	-	t	b	-	t	-	t b	b	-	
			-	-								
Vaux's Swift Chaetura vauxi	b B b	b B b b	-	-	-	-	_	-	-	-	-	
	ЬВ	b t b	t b	-	-	-	-	-	-	_	-	
	В	t B	t	-	-	-	-	-	-	-	-	
		_	-	-	-	-	-	-	-	-	-	
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White-throated Swift Aeronautes saxatalis	b	t	b	b	-	-	-	-	-	-		-
	ь	b	b	t b	b	b	b	B	В	-	_	-
		t t B	t t b B	b	b b	ь	b	b	b	-	-	-
		b	-	b	b	b B	B	В	b	В	-	b b
				-	-	b	t	b	t	t		
■ Trochilidae												
Ruby-throated Hummingbird Archilochus colubris	-	-	-	-	-	-	-	-	В	-	-	-
QLL 15B; June 10, 1988; Webb Lake (Spotted Bear River) n=7	-	-	t -	-	-	-	-	-	-	-	-	-
	L	-	-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-
				-	-							
Black-chinned Hummingbird Archilochus alexandri	b	B	- t	-	-	-	-	-	-	-	-	-
	b	b	b	-	-	-	-	-	-	-	-	-
		t B B	В	t t b	-	-	-	-	-	-	-	-
			-	-	t	-	t	-	-	-	-	-
		,		-	-							
Anna's Hummingbird Calypte anna	-	t	-	-	-	-	-	-	-	-	-	-
LL 41; Jan. 23, 1983; Billings n=5	-	-	-	-	-	-	-	-	-	-	-	-
		-	t	-	-	-	-	-	-	-	-	-
W			-	-	t	-	-	t	-	-	-	-

Calliope Hummingbird b b b В В В Stellula calliope b b b b ЬВ b t b В В b b b b t b b b b -----В В b b b t В t b t В b b b b t b В b **Broad-tailed Hummingbird** t b Selasphorus platycercus LL 13; May 19, 1981; St. Regis n=10 t t t b **Rufous Hummingbird** В В t t В t Selasphorus rufus b B b t b b Btb t b В В В t b t t b t b В t В b В t b b b В t t t t t **○** CORACIIFORMES ■ Alcedinidae

Belted Kingfisher

Ceryle alcyon

b B b b	В	b b b t b	р	рр	b	В	t -	b	b	b	b
b	t B t t	B t B b t	ь ь В ь ь	b	b	В	В	t	t	b	b
	b B B	b b B t t	b b t	t b b B	b	В b В	b t B	Ь	Ь	В	b
,		B b	ь В ь	b B t	B B	В В	В	Ь	Ь	р	b b
			b b	В В Ь							

Lewis' Woodpecker Melanerpes lewis	В	В	В	-	-	b	Ь	-	-	-	-	-
	b	B b t	В	t B	t	b	t	b t	-	-	-	-
Ww		ВВ	В	t t B t	t b	b	t	t	t	b	-	-
WW			t b	b	В	b	В	В	ВВ	В	-	B b
				-	t b							
Red-headed Woodpecker Melanerpes erythrocephalus	-	t	t	-	t	t b	В	b	ВВ	ВВ	Ь	В
	-	t	Ь	t	t	-	B B	B B	B	t	b	В
		-	•	t	t	b	b	b b t B	ЬВ	В	В	В
			-	-	t	t	В	В	b b t	t B	b	b B b
				•	t							
Red-bellied Woodpecker Melanerpes carolinus	-	-	-	-	-	-	-	-	-	t	-	-
LL 10; Dec. 1, 1981; Ft. Peck n=1	-	-	~	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	•	-	-	-	-
				-	-							
Red-naped Sapsucker Sphyrapicus nuchalis (formerly combined with	B b b	В	b b В В В	b b	b	-	В	t -	t	-	-	-
Yellow-bellied Sapsucker)	ЬВ	В	B t B B b	ВВ	-	В	В	t t	-	-	-	t
W	$\overline{}$	B b	b B	b B b t	B b b	В	В	t	-	-	-	-
	,		b t b	В	В	ВВ	В	b	В	b	-	t -

B B

b

	m	-
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Williamson's Sapsucker			\top						
Sphyrapicus thyroideus	B B b		-	-	-	-	-	-	_
	- b B b b b t	- -	-	-	-	-	-	-	-
	b b b B b B	b 	b -	-	-	-	-	-	-
	b	b	В						
	-	ВВВ	B	_	_	-	-	-	
		b b) 						
Downy Woodpecker	b B B	Ь	b b	b	t	Ь	В	b	b
Picoides pubescens	b b b b		b	b	Ì		b		
	b B B B t b t	B t	: b	В	t	t	t	b	b
WWW.WWWW-W WWW.WWWW-W WWW.WW	Bbtt BB	t b b b t	В	В	b b t b	t	b	b	b
WWW-WWWW -W	t -	ВЕ	ВВ	b B	b b B	b	b b	b b	b
		В	t	t			b b		
		- k	<u>'</u>						
Hairy Woodpecker Picoides villosus	b t b B B	b k	ь Ь	В	t	b	В	t	b
	bb bbb Bt BBBB	В	b	Ь	b	Ь	t t	t	b
WWWWWWWW- w	B B B B B B B B B B B B B B B B B B B	B t		В	b	В	,		
WWWWWW WwW WWWW - wWwWw -	B B	B E	B b	b	t	t	b	b	В
- M - M	b b В	B B	B B B	В	b	b	В	b	B B
		B	В	Ĭρ	<u> </u>		In p		
				_	,				(
White-headed Woodpecker Picoides albolarvatus	t t -	- -	. -	-	-	-	-	-	-
QLL 1B; March 23, 1991; Parsnip Overlook Trail southwest of Eureka n=6				-	-	-	-	-	-
			t	-	-	-	-	-	-
	-	- 1	: -	-	-	-	-	-	-
	<u>. </u>								

Three-toed Woodpecker B b В Picoides tridactylus b b t b b В t WWW----b www-----В В В b Ь b WW----t --W-----Ь Ь В b Ь b В Black-backed Woodpecker В В Ь Picoides arcticus b b t TES b b Ь В WWW----t t В В b b - W- W----b b b В b t b Northern Flicker b b В b В В В b В В Ь В В В Colaptes auratus Bbbb b b t B b b В SI b B b B b t t t b В В В В В В b b В bbbbbbb b b WWWWWWWW - w B b b B t b B b b b t Ь HMMMMMM---H В В Ь В В В В В В В WWWWWWWW BBtbBBb b b t t B b Ь WWWW-WWWWW bbbb b b Ь В В W-В В В В В В В В В В b b Bt b b t b B B В Ь Pileated Woodpecker b В В Dryocopus pileatus b b t b b b В b В В Ь B b B B t WWW----b B t t b WWW-----В В b t WWW-----Bt b ----b t

Olive-sided Flycatcher Contopus borealis	b	b t	ь ь В ь ь	-	-	-	-	-	-	-	-	-
	b	b b t b	В	b b	b	b	- t	t	-	-	-	-
		b b b	В	b b	b	b b	t	t	t	-	t	- t
			b b	t	b	b B	b t b	b b	-	-	-	-
				b	b b							
Western Wood-pewee Contopus sordidulus	В	ВВ	ь В ь ь	b	В	ЬВ	В	В	b	В	b	b
	b	B B	B t b	b b B b b	b B	b	В	ВВ	b	t b	b	b
	<u> </u>	t b B	b B	b B	b b b b b	В	b b	b b	ь	B	b	b
			b b	В	b B	b B t	b B b	b b b	b B b b	b b	b B	b b
				-	ВВ		D		00			
Fastorn Wood name		r				'						
Eastern Wood-pewee Contopus virens	-	_	_	_	_	_	_					
CONTOPUS VII CINS							-	t	-	-	-	- 1
LL 8; June 6, 1970; Dodson	<u> </u>						_	τ	-	-	-	
LL 8; June 6, 1970; Dodson n=2	-	-	-	-	-	-	-	-	-	-	-	-
LL 8; June 6, 1970; Dodson	-			-		-		-	-			-
LL 8; June 6, 1970; Dodson	-	-	-		-							-
LL 8; June 6, 1970; Dodson	-			-		-	-	-	-	-	-	-
LL 8; June 6, 1970; Dodson	-		-	-	-	-	-	-	-	-	-	-
LL 8; June 6, 1970; Dodson	-		-	-	-	-	-	-	-	-	-	-
LL 8; June 6, 1970; Dodson n=2 Alder Flycatcher	-		-	-	-	-	-	-	-	-	-	-
LL 8; June 6, 1970; Dodson n=2 Alder Flycatcher Empidonax alnorum	-		-	-	-	-	-	-	-	-	-	-
LL 8; June 6, 1970; Dodson n=2 Alder Flycatcher		-	-	-	-	-	-	-	-	-	-	- t
LL 8; June 6, 1970; Dodson n=2 Alder Flycatcher Empidonax alnorum QLL 16A; Sept. 11, 1991; Pine Butte Swamp	-	-	-	- - -	-	-	-	-	- -	-	-	- t
LL 8; June 6, 1970; Dodson n=2 Alder Flycatcher Empidonax alnorum QLL 16A; Sept. 11, 1991; Pine Butte Swamp	-	-	-	- - -	-	-	-	-	- -	-	-	- t
LL 8; June 6, 1970; Dodson n=2 Alder Flycatcher Empidonax alnorum QLL 16A; Sept. 11, 1991; Pine Butte Swamp	-	-	-	- - t t	-	-	-	-	- -	-	-	- t
LL 8; June 6, 1970; Dodson n=2 Alder Flycatcher Empidonax alnorum QLL 16A; Sept. 11, 1991; Pine Butte Swamp	-	-	-	- - t t	-	-	-	-	- -	-	-	- t

Willow Flycatcher	b bb
Empidonax traillii	b B B b b t b - t - - b
·	b b t b b b b b
	B B b b b b t
	b b b b b b b b b b b b b b b b b b b
	b b b b
	b b b - b t b B B
	b b
Least Flycatcher	t b b b - t t b b B
Empidonax minimus	b b b b b b b b b b
	- b b B b b B b - t b b b
	B b - b b b b t b b B b - b b b
••	B b B B B b b
	- b b
Hammond's Flycatcher Empidonax hammondii	B B b
	b B b t
	b b b b b b b b b b b b b b b b b b b
	b t b B B - b
	- B B b
Dusky Flycatcher Empidonax oberholseri	B B b b b
	B b b b b b b b b b b b b b b b b b b b
	B B b b b b
	b
	b B B b B

Cordilleran Flycatcher Empidonax occidentalis (formerly Western Flycatcher)	8 b	ь ь ь в	b B B t b	b - b t	b b b	- b b	- - b b t	t b	-	-	-	-
Eastern Phoebe Sayornis phoebe	-	-	-	b -	t -	-	-	-	- t	-	*	-
QLL 19D; Aug. 13, 1985; Lewistown n=5	-	-	-	-	-	-	- t	-	-	-	t	-
		-	-	-	-	-	-	-	-	-	t	-
			-	-	-	-	-	t	-	-	-	-
				•	-							
Say's Phoebe			b	В	b			b b	b			b
Sayornis saya	t b	t b	t B	В	Ь	B B b	B b	t b	В	b t b	b	В
Sayornis saya				B b b B	B B		i .	b B b	b b	t b t t b	В	b
Sayornis saya	b	b b	В	b b	В	ВЬ	B t B	B B B B	b b b	t b t t b b	В	В
Sayornis saya	b	В	b	b b B	B B	B b	B t	B B B	b b b	t b t t b b	В	b
Sayornis saya	b	В	b B	b b B	B B	b b	B t B b B	B B B C C	b b b	t b t t b b t t t b b	В В В	b B b
Ash-throated Flycatcher Myiarchus cinerascens	b	В	b B	b b B	B B t B	b b	B t B b B	B B B C C	b b b	t b t t b b t t t b b	В В В	b B b
Ash-throated Flycatcher	t	Ь	B B	b b B B B	B B B	b t	B t B b B t	B B B t b	ь ь ь ь	t b t t b b t t t b b	B B b B	b B b b
Ash-throated Flycatcher Myiarchus cinerascens LL 27; Aug., 1978; Helena	t	ь в ь	B B -	B B	B B B	b t	B t B t	B B B t b	b b b b	t b t t b b t b b	B B B	b B B b b
Ash-throated Flycatcher Myiarchus cinerascens LL 27; Aug., 1978; Helena	t	b B b	B B -	B B	B B B	b t	b B b B t	B B B C C C C C C C C C C C C C C C C C	b b b B	t b t t b b t b c c c c c c c c c c c c c c c c c c c	B b B t	B B b b

Great Crested Flycatcher Myiarchus crinitus LL 45; June 12, 1972; Hammond	-	-	-	-		-	-	-	-	-	-	*
n=2	-	-	-	-	t	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
			_	-	-	-	-	-	-	-	-	t
				-	-							
Cassin's Kingbird Tyrannus vociferans	-	-	-	-	-	-	-	-	-	-	-	-
SI	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	В	b	-	В	-
			-	-	-	-	-	t	-	В	b	t
				-	-							
Western Kingbird Tyrannus verticalis	В	B	b b	b b b	b B	B B b	В	b b	ВВ	ь в в	В	В
				b			1					
	b	B B	b	b b t B b	В	В b b	b	В	В	B B t t B	В	В
	b	B B t	b	b b t B b b	B B B	B b B	В	B B B	В b b	B B t t B B B	В В В В	B B b
	b	B B t	b b B	b b b b b	B B B	B b B b	B b b	B B B t t	В	BB tt B b B b	В В В В	B B D
	В	B B t	ь в ь ь	b b b b b t	B B B b b	B b b b t	B b B t	B B B t t b B	В	BB tt B b b tb B b b	ь в ь в ь ь ь	B B D
Eastern Kingbird	В	B B t B B	b B b b t B	b b b b b t b b B B	B B B b b B	B b b b t	B b b	B B B t t t b B b b b B	В	BBBbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	р В р В р В р В р	B B b b b b B
Eastern Kingbird	В	B B B C	b B B t b t	b b b b b b t b b b	B B B C B C C C C C C C C C C C C C C C	B b b B b t	B B B	B B B t t t b B	В	BBBbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	р В р В р Р	В В в в в в в в
Eastern Kingbird	В	B B B B B B B B B B B B B B B B B B B	b B b t b t t	b b b b b b b b b b в в в в в в в в в в	B B B C B B B C B B B B B B B B B B B B	B b b B b b B B	B B B	B B B B B B B	В b b b в в в в в в в в в в в в в в в в	BBBbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	р в р в р в р в р в р в р в в р в в р в в р в	В В b b b в в в в в в в в в в в в в в в

Scis	ssor-t	ailed	Fly	catche	r
Tyr	annu	is for	fica	tus	
QLL n=6	48B;	June	10,	1986;	Conner

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	-	-	-	-	-	-	t	-	-	-	-
	t	-	-	-	-	t	t -	-	-	-	-
			-	-							

■ Alaudidae

Horned Lark
Eremophila alpestris

	- 1		b	b b	b			b				b
b	,	t	В	b	В	В	В	В	В	В	В	В
1	- 1	t	b	b t		ВЬ	b	b	В	t b	b	
		b		b b	В	b				ВВ		
l t	:	ь	b	В	В	b	В	В	В	В	В	В
		t	t	b				b _	b	b	b	b
				t b	b			В	b		b	
		В	В	В	В	В	В	В	Ь	В	Ь	В
		t	ь		b t	В	В	t		Ь		b
	,				b		В	Ь	b	t b	b	t b
			В	В	В	В	Ь	В	В	b	b	В
				Ь		В					t	t b
				В	t t							
				В	В							

■ Hirundinidae Purple Martin

Progne subis
LL 10; May 10, 1982; Ft. Peck
n=18

-		-	-	-	-	-	-	t	t	t	t
-	-	-	•	t	-	t		-	-	-	t
	-	t	-	-	-	-	-	b	b	t	-
		-	t	t	-	-	t	-	-	-	-
			-	-						-	

Tree Swallow
Tachycineta bicolor

		t b	t					В			b
В	В	В	b	-	t	В	-	b	В	b	b
ВЬ	В	b B	b	b	В	b			t B		
	t B	В	b B	t	t		b			· '	
В	В	В	В	В	В	В	В	b	t	b	t
В	b t	ВВ	b b				t	b	t		
	t	t	b	b							
	В	В	В	В	В	В	b	t	b	В	t
	В		В	b t	t B	b	t		t		b
'		Вt		В	В	b	t B		t	t	
		В	В	В	В	В	В	b	В	Ь	b
			t		Вt	ЬΒ	b		В		
			b	ВВ							
			l n	۱ ۵							

Violet-green Swallow Tachycineta thalassina	b B B B C
Northern Rough-winged Swallow Stelgidopteryx serripennis	b t b t B B B b b B b b B b b B b b B b b b b b b b b b b b b b c c c<
	t t b b b b b b t B b b b b t B b b b b
Bank Swallow Riparia riparia	B B B B B B B B B B B B B B B B B B B
	B B
Cliff Swallow Hirundo pyrrhonota	B B
	t t b b B B B B B B B B B B B B B B B B

Barn Swallow
Hirundo rustica

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	•	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-

	b		t B	В	В			В				b
Į	В	В	В	b	В	В	В	b	В	В	В	В
1	b	В	ВВ	В		B b	b	b	В	В	b	
1		t B	В	ВВ	В	t				ВВ		
1	В	В	В	В	В	b	В	В	b	В	В	В
١	В	b	t t	b b				b	В	В	t	t
		t	t t	b	b			В	t		t	
		В	В	В	В	В	В	В	В	В	В	В
		В	b	В	b b	t B	В			t		b
			Вb		ВЬ	Bt	t	t	t t	t t	t	
			В	В	В	В	В	В	b	В	В	В
				t		В	b	b		ВЬ	b t	t b
				В	ВВ							
				В	В							

■ Corvidae

Gray Jay Perisoreus canadensis

WWW	_
W-WW-w	-

Steller's Jay Cyanocitta stelleri

WWW	-	-	-
WWW	-	-	-
WWW	-	-	-
- WWWWW-	-	-	-
- M			

Blue Jay Cyanocitta cristata

WWWWW-WW
-WWW-WW
W-WWWWW-
-WWW-W
~ ~

ь В ь	b t	B b B b b	•	•	•	-	•	t	-	-	-
b b	t b B t b	B t b t t	ь В В	b	b	t	•	-	-	•	-
	B B b t	b b B t t	b	p p	b	b	-	-	-	-	
		b b	В	В	В	t	b	-	-	-	-
			t	В							

b b	t b t	ь ь в ь ь		-	-	-	-	-	-	-	-
b	B t b	B t b	В	b	-	-	-	-	•	-	-
	ь ь в ь	Ь	Ь	b	b	t	Ь	t	•	-	-
·		b b	b	В	В	b	t	-	-	-	-
	'		t	B b							

t	t t	t t t	-	t	t t	t	-	t t B	t t t	Ь	t
-	t	t	t	b t	-	t	-	t	t	-	b
	t t	t t	t t	t	t	-	-	b	b	t	t
		-	t	t	t t	t	t	-	-	b	B b
			t	t							

Pinyon Jay Gymnorhinus cyanocephalus

----WWW-WWWWW

t	t	-	-	-	-	t	-	-	t	-	-
-	-	-		t	t	Ь	Ь	Ь	p p	-	b
	t	t	t	t B b	t	Ь	Ь	b	Ь	t	t
		t -	t	b B B	B B	b b	В	t	В	Ь	b
			-	-							

Clark's Nutcracker Nucifraga columbiana

WWWW----W WWWW-W----W-WWWW----W-WWWWW----W

6	t B	b b B	Ь	Ь		Ь	b				
b b	t	t b	Ь	В		ם	b	_	t		
Ь	ь В ь ь	t b t	b t B b	Ь	Ь	В	Ь	t	-	-	-
	t b B B	b t B b	t b b B	t b B b b	В	В	t	•	4	t	-
		b b	В	b -	B B B t	ВЬЬ	Ь	Ь	В	t	t
	·		Ь	B B							

Black-billed Magpie *Pica pica*

		T						
В	b			b	В			b
BB	В	В	В	В	В	В	В	В
BB	b	B b	b	b	В	ВВ		
ь	B b	b				ВВ		b
B B	В	Ь	В	В	В	В	В	В
t B	Ь			b		b		b
В	b b b			В	b			
ВВ	В	b	В	В	В	В	В	В
Ь	B B t	В	В			b_		b
ВВ	B b	ВВ	b	b b	b t		b	
ВВ	В	В	В	В	В	В	В	В
	b	B t	b			b b		
	ВВВ							
В	В							
) · · · · ·	B B B B B B B B B B B B	B B B B B B B B B B B B B B B B B B B	B B B B B B B B B B B B B B B B B B B	B B B B B B B B B B B B B B B B B B B	B B B B B B B B B B B B B B B B B B B	B B B B B B B B B B B B B B B B B B B	B B B B B B B B B B B B B B B B B B B	B B B B B B B B B B B B B B B B B B B

American Crow Corvus brachyrhynchos

Ь	В	b B	t	b b B	Ь	В	Ь	Ь	В	В	b B
b b	В	t B	В		t b	b		b	b t		
	Ь	t	b b	В	b				t t		b
Ь	b t	B t	В	В	b	В	b	t	t	b	B b
		b b	В	b			В			b	
	В	В	В	В	В	b	Ь	b	В	b	b
	t	b	t t	b t	b	b			b		t
		b		В	b b	b			b	b	b
		В	В	В	В	В	В	В	b	b	В
			b		В	t					
			В	b b							
			В	Ь							

Common Raven Corvus corax

B B b b	t B t b	ь ь в ь ь	b B	b	t	-	-	-	-	t	В
t B B	t B b b b	t t B B t	ь ь в ь ь	Ь	t	Ь	b	t	- t	-	b
	В b В b	b B B t b	t B B t	t B b b	Ь	b	t B	-	b b	t	-
		b b B	b B	b B B	B B	b t	В	В	b	t	t
	'		b	ВВ							

■ Paridae

Black-capped Chickadee Parus atricapillus

Mountain Chickadee Parus gambeli

WWWWW--W---WWWWWW----WWWWWW----

Boreal Chickadee Parus hudsonicus

--M-----

B b b	ВВ	ь В ь ь	Ь	b	B	В	b	ЬВ	B t B	b	b
В	ь в ь	B t B b t	b В В ь	Ь	b b	В	b b	Ь	t t b b	Ь	b
	b b В	b b B t	B t	ь ь в ь ь	b	ВР	В	b	В	В	В
		В	В	В	B B B t	B t	В	В	ь В ь	Ь	В
	· ·		b	B B							

ь В ь ь	t t B t B	ь ь в ь ь	t b	b b	t	В	b	t	- t	-	-
b	ь В ь в	B t B b t	ь в ь	В	В	В	b	-	-	•	-
	ь в в ь	b b B b t	В В Ь	b B t	В	В	t	-	-	-	-
,		b b	В	b B B	В В В	b B t	Ь	В	-	t -	-
	'		b	B B b							

b	В	В	-	-	-	-	-	-	-	•	-
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	t -	-	-	-	•	•	-	•	•	-	•
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Chestnut-backed Chickadee Parus rufescens

MMM	-	-	-	-	-	-	-	-	-
WWW	-	-	-	-	-	-	-	-	-
wW	-	-		-	-	-	-	-	-
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t B t b	b B t	ь в ь ь	•	-	-	-	-		-	-	-
b	В	t B b	-	•	-	•	-	-	-	-	•
	b	b t	-	-	-	-	-	-	-	-	-
		-	-	-	-		-	-	-	-	•
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■ Sittidae

Red-breasted Nuthatch Sitta canadensis

White-breasted Nuthatch Sitta carolinensis

WWWw---W-W---W WWW-W---W---W---WWWWWW---W

Pygmy Nuthatch Sitta pygmaea

WW-----Ww------WWwW-------w---Ww---

ь В ь ь	t t B t b	в В ь ь	t	В	t	b	b	t	t	t	t
В b b	ь в ь в	B t B b t	ь ь в ь	b	Ь	b	Ь	- b	t t b	-	В
	B B B	B B B b	B t	р р р	Ь	b	t	t	t	b	- b
·		рр	b	В	ВЬЬ	b B t	b	t	В	t b	b B
			b	B B b							

B	B t	b b b	t	-	-	t	t -	t	t	-	-
b	ь В ь в	р Р	b	t	Ь	t	t	b	t t	-	b
	b b B B	t t b	b	В	В	В	В	t	В	В	-
		b t	В	b	t B	b B t	В	В	Ь	В	р
			-	t							

B b	B	-	-	-	-	-	-	-	-	-	-
t	B b	t -	-	-	-	-	-	t	-	-	_
	B B	В	t	t	-	-	t	-	1	t	-
		-	t	t	b	Ь	b	t	-	-	t
			-	t							

Brown (Creeper
Certhia	americana

WWW	-
WWWWWW	-
WWW-WW-	-
- WWWWW	-

В	b t	B b	-	t	t	b	t	t	t	t	t
t	t b	t b b	В	t	t	t	-	-	-	•	-
	b t b	t b	b	Ь	Ь	-	-	~	t	t	t
		t	t	b b	B B t	t	В	t	t	-	b
			b	t b							

■ Troglodytidae

Rock Wren
Salpinctes obsoletus

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	- -	M- 	M	M	M	w	M	M	M	M

b	b B b	-	b b B b	B	b	В	b	t b	t B B b	b	b
	ЬВ	b	В	b B b	b b	p p	Ь	b b	Ь	Ь	В
		b b	В	b B	B B	B b b t	b B b	b B	B b b	b b	b
			b b	В							

b b b

В

Canyon Wren Catherpes mexicanus

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	-	-	-	W	-	-	-	-	-	-	-
		-	-	W	-	W	-	-	-	-	-
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t	-	-	b	-	-	-	-	-	-	-	-
t -	b B	В	-	-	-	-	-	-	-	-	-
	b	-	-	t B	-	-	t	-	-	-	-
		-	-	В	b	b	В	b	b	-	В
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House Wren Troglodytes aedon

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		В		b B	b	b				t t		b
ĺ	b	В	В	В	В	В	В	В	Ь	Ь	Ь	Ь
Į	В	b b		b b				b	В	b		
		b		В	b			b	b			
		В	В	В	В	В	В	В	b	В	В	В
		В		В	b b	b	b			b		b
					В	В	b	b b	b	b	b b	b
			b	В	В	В	В	В	В	В	В	В
				b		Βt	b B			b b	b	
				b	ВВ							

Winter Wren b b В В В Troglodytes troglodytes t t b t b b Ь t b b В b b WW----b b b t Ww-----В В t WW-----В ---W----b t b t t t t t Sedge Wren Ь Cistothorus platensis LL 12; June 26, 1981; Medicine Lake t Ь n=6 ----------. t Marsh Wren b В В t b b t b Cistothorus palustris b В В t В В В b В t t t -w-----W---Ь Ь -W-----Ь В В В b t W--M-----W-В b t --W--W---b В В Ь b b Ь b b В t В **■** Cinclidae -----American Dipper В b b В В В t Cinclus mexicanus B b b B Ь t В В В В В В b b b t t В Ь t t WWW----b ЬВ b WW-Ww--w----В В В В b t HWWW-----В В t wwWWwW---t WW В b В b В В

В

ВВ

В

b

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■ Muscicapidae

Golden-crowned Kinglet Regulus satrapa

WW-ww	-	-	-
WWWw	-	-	-
WWwW-w	-	-	-
Wwww-	-	-	-

B B b b	B	ь ь ь ь ь	t	Ь	t	t	t	t	t	9	t
b	b B b	t t b	b b	t	-	t	-	-	-	t	t
	b b b b	b b B t	b b	t	В	t	-	-	t	-	-
		b b B	b	b	t b	t	t b	-	t	-	t
			-	b							

Ruby-crowned Kinglet Regulus calendula

W		-	-	-	-	W	-	-	-
-M-	-	-	*	-	-	-	-	-	-
W-	-	-	-	-	-	-	-	-	-
-	-	W	-	-	-	-	-	-	-
	-	-							

B b b	t B b	в В р р	b	В	t	b	t	t	t	t	t
b	ь В Ь Ь	В b b b b	b t B b	b	Ь	Ь	-	-	t	-	t
	b b b	b b B b b	В b b	b B b	В	b	-	-	-	t	t
		b b	В	b B	b b B	b t B	b	В	-	t	t -
			b	B B b							

Blue-gray Gnatcatcher Polioptila caerulea LL 10; Oct. 9, 1977; Ft. Peck n=1

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Eastern Bluebird

Sialia sialis	
QLL 43A; July,	1991;
Lame Deer	
n=18	

	-	-	t -	-	-	-	-	-	-	ВВ	t	t
	-	-	-	-	-	-	-	-	-	*	-	b
_		-	-	-	-	-	-	-	-	-	В	t
			-	-	-	t	-	-	-	ВВ	-	В

Western Bluebird В В b Sialia mexicana b В b В В b b t t -W-----В В В ----t t Mountain Bluebird В В В В В t В t b Ь b Ь Sialia currucoides b BBBB В В t t B B ВВ B t В В В В В 8 b В В В В b b B b ввь b b b WM-----W-b b b bbb В В В В b b В В W-----В t B b В В В --W--W----B b B В В b b t b В В В В В В В В В В В b b b b BB В В В Townsend's Solitaire b b t В В В t b t b t t t t Myadestes townsendi ВЬЬЬ b t t t Ь t В В В В t t t t b B b b t b WWW-----WW-bbbb b WWWWW-WW-W-W В В В В В b t b b WWWWW----W B b t b t b WWWWWWW-b В b b В W-В þ В В b b В ВВ b b Veery b Catharus fuscescens b В b b Ь В b t b b b b b b b b t b b b b b В b b b В b b b b b b b b b b В В b b b b b t t t b t ----b b b b b В В В b b t b b

Gray-cheeked Thrush Catharus minimus LL 12; May 16, 1983;	-	-	-	-	-	-	-	-	t	t	-	t
Medicine Lake n=16	-	-	-	-	-	-	-	-	-	-	t	-
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			-									
				-	t	-	-	t	-	-	-	-
				-	-							
Swainson's Thrush Catharus ustulatus	b B b b	В	b b B b b	-	b	t	В	-	t	t	t	t
	ЬВ	В	B b	b t B	b	b	В	b b	-	-	t	t
		b b B b	b B	ь ь ь ь	b t b	b b	b	t	t	t	t	-
			b b	Ь	В	b B	b t b	b	t	t	t	t -
				-	В							
Hermit Thrush Catharus guttatus	b	В	в в ь ь	-	b	-	-	-	t	t	-	-
	- b	b b b	b b	Ь	b	b	b	b	-	t	-	t
W		b B b B	ь В р р	b B	b	В	b	-	-	-	-	-
••			b t B	b	В	b B	b t b	b b	-	-	-	-
				b	b b							,
Wood Thrush Hylocichla mustelina	-	-	-	-	-	-	-	-	t	-	-	-
LL 43; May 2, 1981; Birney n=5	-	-	-	-	-	-	-		-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
			-	-	t	-	-	t	-	t	-	-
				-	-							

American Robin t t b B b b b В В В В В В В b В В В В Turdus migratorius b b BBBB B b bb В BBb BBtBB В b b B B b В В В В В b В В В В В b B b b B t B b Ь b Ь b b WW-----WWW-W b B B b t b b B В b WWW-WWWWW--W В В В В В В В В В В HUMANAMANAM B b b B B b b b В b b WWWWWWWW-B t ВЬ ВВ b b b b t b t b b В В В В В В В В В В b B t В b b b t t b В B B В В Varied Thrush b b В В В t t Ixoreus naevius b b b b b b t b ВЬ В b b b b t b b W---W---W--b B b t t WWw----b b t www----b ----W---t t t t **■** Mimidae **Gray Catbird** b В В b b b Ь В b b В b В Dumetella carolinensis b b b ЬЬ b b ВВ b b b b b b b b В b b b b b b b b В b b b -W----b b b b b В В В Ь В В В b В b Ь В b b b b ----W---b вь Ь b b Ь b В В В В В b b b b b b b Northern Mockingbird t t t Mimus polyglottos

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Sage Thrasher		T	1	Т	Т		_	Т				
Oreoscoptes montanus	-	t	-	-	-	t	-	b	- В	t	-	t
	-	-	t	-	b	-	-	b	b	ЬВ	t	-
	L	t	t	b	В	b	- B	ЬВ	b		b	t
			b	b	ЬВ	b	b	b b	В	В	b	b
				b	В						1	
Brown Thrasher Toxostoma rufum			b		b B	p	В	<u> </u>				b
Toxostoma rurum			Ь		↓_	B B	Ь	В	B B	t B B B	b	В
	-	t	- t	b	b	b	В	b b	b t	B b	B b	В
		t	- t	-	t	t	b	В	b	b	b	В
W			-	-	-	-	b B	b b	В	b	В	b
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■ Motacillidae					<u> </u>							
American Pipit			b b			1	T		T	1	_	
	1 b	I 6			Ι		1 .			١.		
(formerly Water Pipit)	b	b t	B t b		t	t	t	-	t	t	-	t
	t		В		t	t -	t	t	t -		t	t
Anthus rubescens (formerly Water Pipit)		t	B t b	b t						t		
		t	B t b	b t b	t	- B	t B	t	-	t	t	t
		t	B t b	b t b	t t b	- B	t	t	t	t	t	t
-W		t	B t b t	b t b	t b b B	- B	t B	t	t	t	t	t
(formerly Water Pipit) -WW		t	B t b t	b t b	t t b B	- B	t B	t	t	t t t	t	t
	t	t b	B t b t	b t B b b b b b B	t b b B t B	- B	t B B B B	t t	t -	t t t	t	t
(formerly Water Pipit) -WW	t	t b	B t b t	b t B b b b b b b b b b b b b b b b b b	t t b B B t B b b	B t B B	t B B B B	t t	- t	t t t	t t	t t
(formerly Water Pipit) -WW	t	t b	B t b t	t B b b b b b b b b b b b b	t t b B B t B b b b b	B t B B	t B B B B b b B b	t t	- t	t t t	t t	t t t
(formerly Water Pipit) -WW	t	t b	B t b c c c c c c c c c c c c c c c c c c	b t B b b b b -	t t b B B t B b b	b b	t B B B B B	t t t b b b b	- t	t t t	t t t b b b b	t t t

■ Bombycillidae

Bohemian Waxwing Bombycilla garrulus

Cedar Waxwing Bombycilla cedrorum

WW------WW--- WWWW-W-- WWWW-- WWW- WWW--- WW

■ Laniidae

Northern Shrike Lanius excubitor

Loggerhead Shrike Lanius Iudovicianus TES

B	t	В	-	t	t	t	t	t	t t t	t	t
t	t t t	t	t	t	t	t	t	t	t t	t	t
	t	t	t	t	t	t	t	t	t	t	t
		-	t	t	t	t	t	t	t	t	t
			t	t							

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		b b		b	þ		b				
В	В	В	b	В	b	В	-	В	В	b	b
b b	В	b b	b t		b	b		В	t B		
	b	B t	b b	b			b		t t		b
b	В	В	В	b	Ь	В	Ь	-	t	b	b
ь	b t	b	Ь								
	Ь	b	В	b b							
	В	В	В	В	ь	b	t	t	В	b	Ь
	b			b							
		t		b	В	b	b	b			
		b	В	В	В	b	В	Ь	Ь	b	b
					t	t		b	b		
				В							
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t t

		t	b				b	В			b
b	t	t	b	В	В	В	b	В	В	В	В
	t	t	t		B b	b		В	BB	b	
			t						ВВ		
-	b	t	b	В	В	В	В	В	В	В	В
								t	b	b B	b
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	t	b	t	b	t	t	В	b	В	b	В
						b			b		b
							b	b		b	
		t	b	В	-	В	В	b	В	В	В
					t	В		b		t	b
				t t							

European	n Starling
Sturnus	vulgaris

(introduced)

MM - MMMMM - M MMMM - M - MM - MMM - MMM - M - MMM - MMM - M - MM - MMM - M - MM - MMM - M - MM - MMMMM - M - MM

b B	В	B B	t B	b B	В	В	Ь	В	В	В	b B
b t	В	ЬВ	b	В	ВЬ	Ь	b	В	ВВ	b	
В	t B B t t	t B t	ь в в ь в	B B	Ь	В	В	Ь	t t B b	В	Ь
	B B	В	t B B	b B B t	ВВ	B B	ВВ	В	В	В	b b
		ВВ	В	ВЬВ	B t B B t	t b B t	b b B	b t B	в в ь ь	b B t	b t b
			B	ВВ							

■ Vireonidae

Solitary Vireo Vireo solitarius

B b b	B	ь ь ь ь	-	t	t	-	-	-	t	-	t
b	В В b b	ь ь ь	b b	b	-	b	t	b	-	-	t
	B B b B b	В b В b	b	-	b	-	b	b	b	b	-
		b t b	-	b	Ь	- -	b t	В	В	b	- -
			-	t							

Warbling Vireo Vireo gilvus

В	B b	ь ь В ь в	b b	b	b	В	b	Ь	b b	b	Ь
b b	в в ь ь	В b В b	ь ь в ь ь	Ь	Ь	Ь	Ь	Ь	b	b	b
	b В В b	ь В р	В В	В b В b b	В	Ь	b	b	b b	b	b
		ЬЬ	В	В	B B B	р р р	b	b	b	b	b
			p p	В							

Philadelphia Vireo

Vireo philadelphicus QLL 10D; July 30, 1984; Kiwanis Park below Ft. Peck dam n=3

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	t	-	-	-	-	-	-	-	-	-	-
'		-	-	-	-	-	-	-	-	-	-
	,		-	_							

Red-eyed Vireo Vireo olivaceus	B B	t b B b	- b	b	b t	В	b	b	b	b	b
	b B b b	B B b t	b t b	Ь	b	В	b	- t	t	-	В
	B	b B	b	b	b	b	t	В	b	В	-
		b b	b	В	b b t	b	b	В	b	b	b
			-	t							
■ Emberizidae											
Tennessee Warbler Vermivora peregrina	b B	b t	-	-	t	-	t	t	t	t	t
	- b	t -	-	-	-	-	-	-	-	t	t
	t	t -	t	t	-	-	-	t	t	t	-
			-	t	-	-	t	t	t	-	t
			-	t							
Orange-crowned Warbler Vermivora celata	b b b	ь ь В ь ь	-	b	t	Ъ	t -	t	t	-	t
	b B b b	ь ь ь ь	b b	t	b	t	b	-	t	t	t
	b b b	В	b b	Ь	b	-	-	t	t	t	t
		Ь	Ь	Ь	b В b b	b b	t	-	-	-	t
			-	-							
Nashville Warbler Vermivora ruficapilla	B B B b t	b t b	-	-	-	-	-	-	-	-	t
	b b b b	B t b	-	-	-	-	-	-	-	-	t
	b b b	b b	-	-	-	-	-	-	t	t	•
		b b -	-	t	t	-	t	-	-	-	-

Parula americana QLL 25A; June 28, 1988;	-	-	-	-	-	-	-	-	-	-	-	-
West of Lolo n=4	-	-	-	-	-	-	-	-	-	-	-	-
	<u> </u>	t	-	-	-	-	-	-	-	-	-	-
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				_	-							
Yellow Warbler Dendroica petechia	b B	В	b b	В	ЬВ	В	В	В	b	В	В	ЬВ
	b	b B	1	b b b B	b	t b b b	B	b	В	B B	В	b b
	В	b b b b	Вt		b b	В	b	b b B	b b		b B	b B
		В		t	b b B	b b B	B b		ЬВ	b b	b	b b
				b B b	ВВ	Bt			b	b b	B b	b b
Chastnut aided Worklan			1									
Chestnut-sided Warbler Dendroica pensylvanica QLL 12B; Aug. 16, 1990; Westby	t	-	-	-	-	-	-	t	-	t	-	t
n=7	-	-	-	-	-	-	•	-	-	-	-	-
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Magnolia Warbler Dendroica magnolia	-	t	_	_	_	_	_	-		t	t	t
LL 10; May 17, 1981; Ft. Peck n=12	-	_	_	_	_	_		_	_	_		\dashv
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		-	-	t	-	-	-	-	-	-	-	
			-	-	-	-	-	t	-	t	-	t
				-	-							

Cape May Warbler Dendroica tigrina	-	-	-	-	-	-	-	-	- t	t	-	t -
QLL 12B; Aug. 3, 1990; Westby n=5	-	-	-	-	-	-	-	-	-	-	-	t
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			-	t	-	-	-	-	-	-	-	-
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Black-throated Blue Warbler Dendroica caerulescens	-	-	-	-	-	-	-	-	-	t	-	-
LL 41; Sept. 23, 1980; Billings n=3	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	t	-
			-	-	-	-	-	t	-	-	-	-
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Yellow-rumped Warbler Dendroica coronata	b B b	t B b	ь ь В ь в	р	В	t	b	b	t	t t t	t	t
	B b B	B b b	B b B B b B	b b t B			р	b b			t	t
Dendroica coronata	B b B	В b	B b B B b B	b b t B	B t	t		b	t b	t t		
Dendroica coronata	B b B	В В В В	B B B B b b t	b t B b B	t b b B	t b	р	b	t b t	t t b	t	t
Dendroica coronata	B b B	В В В В	B B B B B b b B b b b t	b b b b b b	t b b b t b	b B b b	р	b b	t b t	t t t b t b B	t	t t b
Black-throated Gray Warbler Dendroica coronata S1 W	B b B	В В В В	B B B B B b b B b b b t	b b B b B B	t b B t b B B B	b B b b	р	b b	t b t	t t t b t b B	t	t t b
Dendroica coronata st w	B b b b	В	B B B B B B B B B B B B B B B B B B B	b t B b B b B b	t b b B b B B b	b B b B b B t	b b b	b b	b t	t t t b t b B	t	t t b
Dendroica coronata SI W	B b b b	В	B B B B B B B B B B B B B B B B B B B	b t B b B b B	t b B B B b	b B b B t	b b b t	b b	b b	t t b t b B b	t b	t t b
Dendroica coronata SI W	B b b b	В b b в в b	B B B B B B B B B B B B B B B B B B B	b b B b B b	t b b b b b B b b	b B b B t	b b b t	b b	b b	t t b t b B b	t b	t t b

Townsend's Warbler Dendroica townsendi	b B	B	b b B	-	t	-	-	-	-	-	-	.
Denai dica (d Willschul	Ь	b b	b b						t			
	b B	В В b b	b b B b	В	t	-	-	-	-	-	-	-
		b b	b t B	t -	t	-	-	-	-	-	t	-
		b	b b			t						
			_	t	t	t t	t	t	-	-	-	-
				-	_							
Black-throated Green Warbler Dendroica virens	-	-	-	-	-	-	t	-	-	-	-	t
LL 38; May 17, 1981; Bozeman												
n=5	-	-	-	-	t	-	-	-	-	-	-	-
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			-	-	t	_	-	-	-	-	-	-
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Blackburnian Warbler												
Dendroica fusca QLL 9C; May 23, 1991;	t	-	-	-	-	-	-	-	t t	-	-	t
Bowdoin NWR n=7	- :	-	-	-	-	-	-	-	-	-	-	-
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Yellow-throated Warbler			-	-	t							-
Dendroica dominica	-	-	-	-	t							-
	-	-		-	t -	-	-	t	-	-	-	
Dendroica dominica LL 41; Dec. 20, 1981; Billings		-	-	-	- -	-	-	-	-	-	-	-
Dendroica dominica LL 41; Dec. 20, 1981; Billings			-	-	t -	-	-	t	-	-	-	
Dendroica dominica LL 41; Dec. 20, 1981; Billings		-	-	-	- -	-	-	-	-	-	-	-

Pine Warbler												
Dendroica pinus	-	-	-	-	-	-	-	-	-	-	-	-
QLL 12B; Aug. 15, 1990;												
Westby n=3	-	-	-	_	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
			-	-	t	-	-	t	-	-	-	-
				-	-							
Prairie Warbler						· 		<u> </u>				
<i>Dendroica discolor</i> LL 10; Sept. 5, 1973; Ft. Peck	-	-	-	-	-	-	-	-	-	t	-	-
n=1	-	-	-	-	-	-	_	-	-	-	-	-
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Palm Warbler								t				t
Dendroica palmarum	t	-	-	-	-	-	-	-	t	t	t	-
QLL 12B; Sept. 30, 1990; Westby n=15	-	~	t		t	-	-	-		t	-	
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Roy hypocted Womblen		1				,			I	1		
Bay-breasted Warbler Dendroica castanea LL 41; April 29, 1981	-	_	-	-	-	t	-	_	-	t	-	-
11 41 April 20 1081						-	_	_		_	_	_
n=5	-	-	-	-	-		1				_	
n=5	-	-	-	-	-							
n=5	-	-	-	-	-	-	-	-	-	-	-	-
n=5	-					-	-	- t				

Blackpoll Warbler							T					
Dendroica striata	t	t	-	-	t	t	-	-	t	t	t	t
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Black-and-white Warbler			1	1		1	т—		Т	т—		
Mniotilta varia	-	t	t	-	t	t	t	t	-	B	Ь	b
	-	-	-	-	t	-	-	-	-	-	t	b
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American Redstart			b b			l	1	t	1			
Setophaga ruticilla	В	В	ь ь в ь ь		t	b t	В	t -	t	b t	Ь	В
	Ь	b	B bb Bt B	bb bt b	t b				t -		b	В
	Ь	b b	B bb Bt	b b b t		t	b	- b		t		
	Ь	b b B	B b b B t B b	b b b t b b	b	t b	В	b b	- b	- b	b	b
	Ь	b b B	B b b B t B b B B B	b b b t b b B	b b	b b	B b	b b	- b	-	b	b
	Ь	b b B	B b b B t B b B B B	b b b t b b B	b b	b b	B b B	b b	- b	t - b	b	b
	Ь	b b B	B b b B t B b B B B	b b b t b b b	b b	b b	B b B	b b t	- b	t - b	b	b
Setophaga ruticilla	Ь	b b B	B t B b b B b b B b c c c c c c c c c c c c	b b b b c b -	b b	b b	B b B	b b	- b	t - b	b	b
Setophaga ruticilla Ovenbird	b b	ь в в	B t B b b B b b B b c c c c c c c c c c c c	b b b b b -	b b b	b b B b	b B b B	b b t bb	- b В	b b	b b	b b
Setophaga ruticilla Ovenbird	b b	b B b B	B t B b b B b - b - b - b - b - c	b b b b c b c c c c c c c c c c c c c c	ь ь ь	b b b t	b B b B t	t b b b	b b B	b b b	b b	b b
Setophaga ruticilla Ovenbird	b b	b B b B	B t B b b B b - b - b	b b b b b b b b b b b b b b b b b b b	b b b b b	b b b t	b B b B t	t b b b b	b b B	b b	b t	b b b
Setophaga ruticilla Ovenbird	b b	b B b B	B t B b b B b - b - b	b b b b b b b b b b b b b b b b b b b	b b b b b	b b b t	b B b B t	t b b b	b b B	b b	b t	b b b
Setophaga ruticilla Ovenbird	b b	b B b B	B b b B b B b - b B - b - b - b - b - c b	b b b b b b b b b b b b b b b b b b b	b b b b b	b b b t	b B b B t	t b b b b	t b	b b b	b t b	b b c b c d c d d d d d d d d d d d d d

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Northern Waterthrush Seiurus noveboracensis	B b	В	в В b b	b	t	t	-	b	t	t	t	t
	b	b	B t b	р р р	t	-	b	-	-	-	-	t
		В	\leftarrow	В	b b	b	-	-	t	t	t	-
			B B	b	В	b b	b	t	-	-	-	t
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						J						
Kentucky Warbler												
Oporornis formosus LL 10; Oct. 19, 1979; Ft. Peck	-	-	-	-	-	-	-	-	-	t	-	-
n=1	-	-	-	-	-	-	-	-	-	-	-	-
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Connecticut Warbler												t
Oporornis agilis	-	_	-	-	-	-	-	-	_	-	-	t
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QLL 12B; September 5, 1990; Westby			_			-						
QLL 12B; September 5, 1990; Westby n=3	_	-	-	-	-	-	-	_	-	-	-	_
QLL 12B; September 5, 1990 ; Westby n=3	-										-	-
QLL 12B; September 5, 1990; Westby n=3	-	-	-	-	-	-	-	-	-	-		
QLL 12B; September 5, 1990; Westby n=3	-										-	-
n=3	-	-	-	-	-	-	-	-	-	-		
n=3	-	-	-	-	-	-	-	-	-	-		
n=3	-	-	-	-	-	-	-	-	-	-	-	-
n=3	-	-	-	-	-	-	-	-	-	-	-	-
n=3	-	-	-	-	-	-	-	-	-	-	-	-
Mourning Warbler		-	-	-	-	-	-	- t	-	-	-	-
Mourning Warbler Oporornis philadelphia	-	-	-	-	-	-	-	-	-	-	-	-
Mourning Warbler Oporornis philadelphia LL 9; June 9, 1969;		-	-	-	-	-	-	- t	-	-	-	-
Mourning Warbler Oporornis philadelphia		-	-	-	-	-	-	- t	-	-	-	-
Mourning Warbler Oporornis philadelphia LL 9; June 9, 1969; Bowdoin NWR	-	-	-	-	-	-	-	- t	- -	-	-	-
Mourning Warbler Oporornis philadelphia LL 9; June 9, 1969; Bowdoin NWR	-	-	-	-	-	-	-	- t	- -	-	-	-
Mourning Warbler Oporornis philadelphia LL 9; June 9, 1969; Bowdoin NWR	-	-	-	-	-	-	-	- t	- -	-	-	-
Mourning Warbler Oporornis philadelphia LL 9; June 9, 1969; Bowdoin NWR	-	-	-	-	-	-	-	- t	- -	-	-	-
Mourning Warbler Oporornis philadelphia LL 9; June 9, 1969; Bowdoin NWR n=1	-	-	-	-	-	-	-	- t	- -	-	-	-
Mourning Warbler Oporornis philadelphia LL 9; June 9, 1969; Bowdoin NWR n=1	-	-	-	-	-	-	-	- t	- -	-	-	-

MacGillivray's Warbler Oporornis tolmiei	b B B B b c c t c c t c c t c t c c t c c t c c t c c t c c t c
Common Yellowthroat Geothlypis trichas	b B B B B B B b b B B b B b B B B B B B
Wilson's Warbler Wilsonia pusilla	b B B t
Canada Warbler Wilsonia canadensis QLL 12B; Aug. 15, 1990; Westby n=4	t
	t

Yellow-breasted Chat Icteria virens	B t b	b	-	-	b	Ь	В	b	b	b	b	В
	-	b B b t		-	b	Ь	В	b b	b t	t	Ь	Ь
		t	b	-	t b	-	b b	b b	В	b b	В	b
			t -	В	b	b	b b	ь ь В ь	b B b	b b b	Ь	Ь
				-	b							
Summer Tanager Piranga rubra	-	-	-	-	-	-	_		-	-	-	-
LL 41; Nov. 18, 1981; Billings n=1	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
W			-	-	-	-	-	t	-	-	-	-
				-	-						-	
Scarlet Tanager Piranga olivacea	-	-	- t	-	-	-	-	-	-	t	-	-
QLL 3C; July 16, 1991; Emery Bay, Hungry Horse Reservoir n=6	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	t	t	-	-	-	-	-	-	-
			-	-	t	t	-	-	-	-	-	-
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Western Tanager Piranga ludoviciana	В	В	b b В b b	- b	b	-	В	b	t	t	-	-
	B	ь В В В	B B b t	ь ь В ь	b	Ь	В	В	b	-	-	t
		b B B	B b B B t	b B	b В В b b	b	Ь	t	t	-	t	-
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				р	ВЬ							

Rose-breasted Grosbeak												
Pheucticus Iudovicianus		t	- ,	t	t	t	-	-	t	t	t	t
	-	-	-	-	-	-	-	t	-	t	-	-
		t	-	t	-	-	-	t	40	t	t	-
			-	t	t	t	t	b	-	-	-	-
				-	-							
Black-headed Grosbeak			b b	t		<u> </u>	T -	Т		<u></u>		
Pheucticus melanocephalus	b b		b b	b b	b	t t	Ь	b	t	b	b	В
	b	В	b b	B B	В	b	b	В	-	b	t	b
W		t b B	b B	В	b b	b	Ь	b	b	В	b	b
W			b b	Ь	b b	ВВ	b b	b b	b	b b b	b b	b B
			L	-	В	t	b	b b		b b	b	
Blue Grosbeak				<u> </u>] 		T		T		
Guiraca caerulea LL 41; 1975	-	-	-	-	-	-	-	-	-	-	-	t
n=3	-	-	-	-	-	-	-	-	-	-	-	-
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	1		-	-	-	-	-	b	-	-		-
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I and I' Down												
Lazuli Bunting Passerina amoena	b	В	b b b b b	Ь	b	- b	В	b	t	B	b	b
	b			b b	t	b	В	b	Ь	b	b	b
		t b B	b B	b	b b	b	b	b b	t b	b	b	b
	Ĺ		t b b	В	b	b B B	b b B	b b	b B	В	b	B b
					- 1	- 1	t b			b	b	В

Indigo Bunting Passerina cyanea	-	t	-	-	-	-	-	-		b	р	b
	-	-	-	b	-	-	-	Ь	-	-	-	þ
		t	t	-	-	-	-	b	-	-	t	-
			-	-	t	t	-	b	b	b	-	b
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Dickcissel Spiza americana n=14 TES	-	-	-	-	-	-	-	-	-	b	b	b
N=14 1E5	-		t	-	-	-	-	-	-	-	-	b
		-	-	-	-	-	-	b	b	b	В	-
			-	-	-	-	-	-	b	-	-	b
				-	-							
Green-tailed Towhee Pipilo chlorurus	-	-	t	-	-	-	b	-	-	-	-	-
	-	-	-	-	-	-	b	b	t	-	-	-
		t	-	p p	t B b	В	-	-	-	-	-	-
			-	Ь	В	b B B	ь В ь ь	b b b	t	-	-	-
				b	B b							
Rufous-sided Towhee Pipilo erythrophthalmus	В	b b	b t t b	b b	b	В	В	b b b B	B B	B B	Ь	b
	В	ь В ь ь	b b t	Ь	b	Ь	В	В b b	B b	t t b b	b	B
Ww		Ь В В Ь	t B	b	р В р	Ь	Ь	b b	b	Ь	В	Ь
WW 			t b	t b	b B	b B B	b B	b b	B t B	b b b	ь В ь	B b

	Towness, Spart
American Tree Sparrow Spizella arborea	t t t t t t t t t t t
	t t t t t t t t t t t
WW-WWW-WW-W WWWWW-WWWW WWWWWWWW- -WWWWWW	t t t t t t t t t t
WW	- t t t t t t t t
	t t
Chipping Sparrow Spizella passerina	b b b b t b
	B B
-W	b B b B b B b B b B b b b b b B t b b b b b b b b b
	b t b b b b b b b b b b b b b b b b b b b b b b b b b b b
	b B B b
Clay-colored Sparrow Spizella pallida	- t b b b b b b b b b b b b b b b b b b
	- B - b b b b b b b b b b b
	b - b b b b b b b B b
	b b b b t b b b b
	- t
Brewer's Sparrow Spizella breweri	B B t - b b B B B b t b b b b b b b
	- B - b b B B B B b b b b b b b b b b b
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	b B b

Field Sparrow Spizella pusilla	-	t	-	-	-		-	-	t	Ь	Ь	b b
	-	-	-	-	-	-	-	-	-	t b	b	В
		-	-	-	-	-	-	-	b	b b	р	В
			•	-	-		t	-	-	p p	р	р
				-	-							_
Vesper Sparrow Pooecetes gramineus	В	В	b B B	ь ь ь ь	В	B B b	В	b b	ВВ	b	B b	В
	В	t B B b	В	ь ь в ь ь	b B	b b	3	В	В	р р р	Ь	b b
		B B	В	ь В В	ь ь В ь ь	В	b	ВВ	b b	b b	p	В
			В	В	b b B	ь в в	B B	b B	b B	t B B b b	t b b b t	B t b
				B B	B B							
Lark Sparrow Chondestes grammacus	В	t	b b	-	ь В ь	В	8 b	В	b b	В	Ь	В
	-	b b t	t t t	b B	b	b b	В	В	b	ь ь в ь	В	В
		B	b	b B t	В	b b	t b B	B B	b	B b	В	ВВ
			•	Ь	b B	b	b B	ь В В	b t B b B	t b B b b	В	b t b
				t -	b b							
Black-throated Sparrow Amphispiza bilineata		-	-	-	-	-	-	-	-	-	-	-
LL 25; May 21, 1975; Missoula n=2	-	-	•	-	-	-	-	-	-	-	-	-
		t	-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-

Sage Sparrow Amphispiza belli LL 35; June, 1984;	-	-	-	-	-	-	-	-	-	-	-	-
Fallon County n=10 TES	-	t	-	-	-	-	t	-	-	-	-	-
		t	-	-	-	t	-	-	-	-	-	В
			-	-	b	b	-	-	-	-	-	-
				-	-							
Lark Bunting Calamospiza melanocorys	t	t	b t b	b b	В	B B b	b	b b	В	ВВВ	В	В
	t	t	-	ь ь В ь	B B	b b	В	В	В	B B B	В	b
		t	t	t	t b b	b b	ь ь в	B B	b b	B b	b b	В
			-	t	t B	t b t	B b	B B	b B	t B b b	B b t	B t b
				-	t							
Savannah Sparrow Passerculus sandwichensis	b b	B b	b B b	b b	b b	b b b	b b	b b	В	b b	b b	b b
	- b	b b B b	B t	b B B b	В	b b	В	B b	b	t t b	b	b
		b B	В	B t t			b b	b	b	b	b	b b
			b t B	B b	b B	b b	b B	В В b b b	ь ь в	t	b	b b
				b b	B B							ź
Baird's Sparrow Ammodramus bairdii	t	t	b b	b t	b b	b b	b b	b b	b b	b	b b	b b
	-	t	-	b b	В	b	-	- b	b	b	b	b b
		t	-	-	t	- b	-	-	b -	-	b	b b
			-	-	-	-	b	-	-	-	b b	b
				_	_					•		

Grasshopper Sparrow Ammodramus savannarum	b	t	b b	- -		b	В	b	Ь	B	Ь	b b
	-	В	t	b t	b B	b b	В	b b	b	t b	р	b
		b t	b	-	-	b	b b	b	b b	b b	b b	В
••			-	-	t b	•	b b	b b	b -	В В	b b	b b b
				- -	t -							
Le Conte's Sparrow Ammodramus leconteii	-	В	b	-	-	-	-		t	-	-	b
QLL 28A; Oct. 6, 1990; Lake Helena n=17 TES	-	-	-	-	-	•	-	-	-	•	-	-
		t	-	-	t -	-	-	-	-	-	-	-
	·		-	•	-	-	-	t	-	_	t	-
				-	-							
Sharp-tailed Sparrow Ammodramus caudacutus	-	-	-	-	-	-	-	-	-	-	-	b
LL 12; Sept., 1943; Medicine Lake n=2	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
	·		-	-	-	-	-	-	-	-	-	•
				•	-							
Fox Sparrow Passerella iliaca	b b	В	b b	-	-	t	-	-	-	t	-	-
	b	b	В В В	b b	t	t -	-	•	-	-	-	-
wwW		b b	b	b	Ь	b	-	-	t	-	t	-
W			b b	b	b	b b	-	t	t	-	-	-
		1		b	b b							

Song Sparrow Melospiza melodia WWw WWW-w-W	B B b	В	B B B	B b b b b b b B	b B b t b	B t B B B t	B B b	b b b B B B B B	b b b	b b t t t t b b b b	b b b	b b b
Lincoln's Sparrow Melospiza lincolnii	b b		b b b	- b	-	t	-	t	t	t	-	t
	b	b B	b b	b b	t	b	t t	-	t	t	t	t -
		t	b b	В	b	b b B	b	b	b	-	-	t
				t -	B B b							
Swamp Sparrow Melospiza georgiana LL 41; Oct. 24, 1981 n=8	-	-	-	-	-	-	-	-	-	-	•	t
n-o	-	-	-	-	-	-	-	-	-	-	~	-
-W		t	t	t	-	-	-	-	-	-	t	
			-	-	-	_	-	t	-	•	-	-
White threated Secure												
White-throated Sparrow Zonotrichia albicollis	t	t	-	-	t	t t	t	t	t	t	t	t
	-	t	-	t -	t	-	t	t	-	t	-	-
		t	t	t	t	t	-	-	t	t	t	t
ww-w			-	t	t	t	-	t	-	-	-	t
				-	-							

Golden-crowned Sparrow Zonotrichia atricapilla QLL 9C; May 13, 1988; Bowdoin NWR n=4

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t -	-	-	ı	-	-	-	•		-	-	-
	-	t	•	•	-			-	-	-	-
		-	-	-	-	-	t -	-	-	•	-
	'		-	-							

White-crowned Sparrow Zonotrichia leucophrys

MM	W		 -
W-			 -
W	W		 -
	-W-1	W	 -
-	W		

ь В ь	b t	ьь В ьь	b b	t	t	B t	t	t	t	t	t
b	b t	t b t	ь ь ь	В	b	В	b	t	t	t	t
	b t	b	b b t t	t b	В	В	t	t	t	t	t
		b t B	В	В	ь ь в в	В	t b	t	t	t	t
			р	ВВ							

Harris' Sparrow Zonotrichia querula

WWWW
-WWW
WWwwWw-
- WWW-W

t	t	t	-	-	t	t	t	t	t	-	t
-	t	t	-	t	-	t		-	t	t	t
	t t	t	t t	t	t	-	-	t	t	t	-
		-	t	t	-	-	t	-	-	-	-
			-	t							

Dark-eyed Junco Junco hyemalis

WWW-WWW-W
WWW-W-WW
WWWWWWWW-
-WWW-W-W-W
- W

В	t B	b b B	-	b B	t	b	t	t	t	t	t
Ь	b	B b	b		t				t	-	
b b	В В В В	B b B b t	b t B b	В	b	В	b	t	t	t	t
	B B B B	b B B B t	ь в ь ь	t b B b	В	В	Ь	t	Ь	b	t
		b b В	В	ВВ	ь в в	b b	Ь	В	В	t	B B
			b	B B				-			-

McCown's Longspur		T		Ь	b	В		Ь		Т		
Calcarius mccownii	-	-	b	b	р	В	b	Ь	В	В	b	b
	-	-	-	b b B b	В	В	В	t	-	b	b	-
		-	-	-	В	b	t B	B B B	-	b	b	-
W			-	b	b	-	B	В	-	b	-	-
				b	-							
Lapland Longspur Calcarius Iapponicus	-	t	t	-	t	t	t	-	t t	t	t	t
	-	- t	t -	t	t	-	t	t	-	t	t	t
-WWWwWw- -W-wwW-WwW wWww-wwww Www-WWW		t	t	t	t	t	t	t	t	t	t	t
www.w			t	-	t	t	t	t	t	t	t	-
				-	-							
Smith's Longspur Calcarius pictus LL 44; Sept. 15, 1977;	-	-	-	-	-	-	-	-	~	-	-	-
Broadus n=4	-	-	-	-	-	-	-	-	-	-	t	-
		-	-	-	-	-	-	-	-	-	-	-
			•	-	-	-	t	t	-	-	t	-
				-	-							1
Chestnut-collared Longspur Calcarius ornatus	-	t	b	В	В	B B B b	b	b b	ВВ	b b b	B b	В
	-	-	t -	b b	ВВ	В	В	b	b	t B	b b	В
		-	-	-	t	b	ь	B B B	b b	b	b b	b b
			-	b	b	-	B b	В	b	b	t	В
				-	-							

Snow Bunting Plectrophenax nivalis

Bobolink Dolichonyx oryzivorus

Red-winged Blackbird Agelaius phoeniceus

WWW-W-W-WWW--WW---W---W WWWW---WWW---WW-W----

Western Meadowlark Sturnella neglecta

Ww--W---ww---W--W-----W--W------wWw-W----

t	t	t	t	t	t	t	t	t	t	t	t
	t							t	t t		
t	t	t	t	t	t	t	t	t	t	t	t
	t	t	t	t	t	t	t	t	t	t	t
		t	t	t	t	t	t	t	t	t	t
			t	t							

b	B b	t	b	b	b b	b b	b b	b b	Ь	Ь	Ь
b	ь В ь	B t	р р р	Ь	Ь	В	ЬВ	Ь	ь	Ь	Ь
	B t	В	b b	ь В ь	В	b b	b	b	-	t	ЬЬ
		b b	В	Ь	В	b b B	B b B	В -	b	b	ЬЬ
			-	t							

,											_	
	D	_ n	t B	b	Ь	BB	_	Ь	р	, n	, l	b
-1	В	В	В	В	В	В	В	b	В	В	В	В
ı	b	В	t B	b		ВВ	b	ЬВ	В	B B	b	
		ЬВ	ВЬ	bВ	В	b				b B		
ı	b	В	В	В	В	Ь	В	В	b	В	В	В
1		b b	Вb	b b				b	b	b	b	b
		b	b t	t b	b			В	b		Ь	
		В	В	В	В	Ь	ь	В	В	В	В	В
	ļ	В		ЬВ	b b	В	В			b		b
	,		b		ВЬ	Вt	t b	b b	b t	t b	b	b
			В	В	В	В	В	В	В	В	В	В
				b		Вt	t			b b	t t	t b
				В	ВВ							
				В	В							

	T	В	b	b	b b		b				b
В	В	b	b	В	В	В	b	В	В	В	В
l	b B	В	b t	b	Вb	b	b	В	ВВ	b	
	b B		b b	В	b				ВВ		
Ь	В	В	В	В	b	В	В	В	В	В	В
	b b	b	b b				b	b	В	b	b
	b		t b	b b			В	b		b	
	В	В	В	В	В	b	В	В	b	В	В
	В	b	ВВ	b t	В	В			b		b
		b		Вb	bΒ	t b	b t	b t	t b	t b	b
		В	В	В	В	В	В	В	В	В	В
			b		В	b			b b	b t	t b
			В	В							
			В	В							

Yellow-headed Blackbird Xanthocephalus xanthocephalus

	_	-	-	~	~	~	-	-	-	-
- M	-	-	-	-	-	~	-	-	-	-
W	-	_	-	-	-	-	-	-	-	-
	-	-	-	-	_	W	-	-	-	-
		_	_							

					_			_			
В	B B	В В В	b b	b B	В b в b	B b	Ь	B B	B t B	В	В
-	t B B b	B b t	b B B B B	B	٩	В	ь	b B	ВВ	В	В
	B B	В	B B t	b B b t	b t	ЬВ	В	b b	Ь	b B	В
		b	В	В	t B B	B	b b B	b B	b b	В	b B b
			B B	ВВ							

Rusty Blackbird Euphagus carolinus

-WWWW
W
W
Ww-Ww

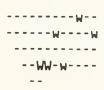
t	t	t	-	t	t	-	-	t	t	t	-
-	t	-	-	t	1	•	-	-	-	•	-
	t	t	-	t	-	-	-	-	-	t	-
	:	-	-	t	t	-	t	-	-	-	-
	•		•	-							

Brewer's Blackbird Euphagus cyanocephalus

wwWww
W-W
WWWW
WW-W-W

		_										
			b	b	Ь			b				b
	В	В	Ь	b	В	В	В	b	В	Ь	В	В
	Ь	t B	t b	b t		ВЬ	b	b	В	t B	b	
	В	t B	t	ЬΒ	b	b				t B		
	b	В	Ь	В	В	Ь	В	В	Ь	b	В	В
L		b b	b t	b b				b	b	В	b	b
		b	t b	t b	b b			В	Ь		Ь	
		В	В	В	В	В	b	В	b	Ь	ь	b
		В	b	t t	b t	В	b			b		b
			В		b b	ВВ	t b	b t	b t	t b	t b	
			b	В	В	В	В	В	В	В	В	ь
				_ b		В				b b	b t	t b
				b	ВВ							
				b	b							
												Þ

Common Grackle Quiscalus quiscula



-	t	b t	b	b	t b t	B b	b b	B B	B t B	b	b B
-	b t	-	b B b b	В	b	b	Ь	t	b	b b	В
	t	t -	В В	b B B t	b b	ь	В	b	В	B B	B b
		-	В	ВВ	t t B	t B	t b B	t B	t b B b b	B t t	B t b
	·		-	-							

Brown-headed Cowbird Molothrus ater	В	В	ь ь В ь ь	b b	В	B B b	В	ВЬЬ	В	B t B	В	В	
	B b	t b B b b	t B b t	b B B	b B	Ь	В	В	b	t t b b	В	В	
W		b b B	ь ь в ь	t b B	b B b t	ВВ	b B	B B	b b	B b	b B	ВВ	
			В	B b	b b B	B B	В	b t B	b t B	t b B b b	B b b t	b B t b	
				b	В								
Orchard Oriole Icterus spurius	-	-	-	-	-	-	-	-	- t	b B	t	b	
	-	-	-	-	-	-	-	-	b	b	b	В	
		-	-	-	-	-	-	-	b	b	b	b t	
			-	-	-	-	-	b -	-	-	t	t	
				-	-								
Northern Oriole Icterus galbula	b	ВВ	b	b	b	ВВ	В	b b	ВВ	B B B	В	В	
SI	b	b B	b	b B b	b B	b B	В	b B	b	t b b	b b	B b	
		b B t	В	b B	b B b	b b	b b	B B	b B	В	В	В	
			-	B b	B B	B B t	B t	ь В ь	b B	ь В b b	b B	b b	
				-	t								
■ Fringillidae													
Brambling Fringilla montifringilla LL 15; Dec. 3, 1978; Swan lake	-	-	-	•	-	-	-	-	-	-	-	-	
n=1	-	-	t	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
				-	-								

Rosy	Finch	
Leuc	osticte	arctoa
SI		

W-WW-WW-W--WWW-WW---W w-WWW-WW--WWWWWWW W

Pine Grosbeak Pinicola enucleator

WWW-w-W----WWW-wWW-----WWWW-----wWWWwW----

Purple Finch Carpodacus purpureus

Cassin's Finch Carpodacus cassinii

В	B t	b В В b В	-	t	t	t	-	t	t	-	t
b	t	t B	t t	t	b	t	t	-	t	-	t
	t b t	Ь	t	t	b	t	t	t	t	t	-
		-	t	b t	t	t B	t	t	t	t	•
			t	B t							

В b b	B t	ь b b b	t	b	t t	t	-	t	t	-	-
t b	b	t b b	t	t	t	t	-	t	t	-	t
	b b t	t b b	t	t	b	b	t	-	-	-	-
		В	t	b	В	b	t	-	-	-	-
			-	В							

-	t	-	-	-	-	-	-	t	t	-	t
-	t	•	-	-	-	t	-	-	-	-	-
	-	t	t	-	-	-	-	-	t	t	-
		•	-	t	t	-	t	•	-	-	-
			-	t							

В	t B b	ь ь ь ь	-	-	-	b	-	-	- t	-	-
b b	ь ь в ь	В	b b	b	b	В	-	-	-	-	-
	B B b b	В b В b	b b b t	b b	b	b	-	-	-	-	-
		Ь	В	В	B B B t	b b	B b	-	b	-	-
			b	B B b							

House Finch Carpodacus mexicanus

WW	-	-	-
-WW-W	-	-	
WWW	-	-	-
WW-W-	-	-	-

Red Crossbill Loxia curvirostra

WWWWW-W
WWW-WWWW
WWW-WW
WWW
- W

White-winged Crossbill Loxia leucoptera

WW	W	-	-		-	-	W	-	-	-
- M	W	-	-	-	-	-	W	-	-	-
W	-	W	-	-	-	-	-	-	-	-
	-	-	W	-	-	W	-	-	-	-
		-	-							

Common Redpoll Carduelis flammea

-	t B	-	-	-	-	-	-	- t	t	-	-
-	t	B -	-	t	1	t	-	-	-	-	-
	ВВ	В	b t	-	-	-	-	t	-	-	-
		-	Ь	В	t	b	B B B B	-	t	t	-
			b	-							

b	В	b b b t b	t b	b	-	b	t -	t	t	-	-
b	b b b	t t b	b b	b	b	b	Ь	t - t	-	-	b
	b B b B	ь ь В ь	t b	t b	b	Ь	b	b	В	b	b
		b t b	t	В	В	b b	В	ВВ	В	В	В
	,		-	ВВ							

b t	b b t	t b t	- t	-	t	-	-	t	t	-	-
- -	t	b t	t	t	-	t	-	t	-	-	-
	t	t	t	-	b	b	-	-	-	t	-
		b	t	b	b	-	t	-	-	-	t
	'		t	-							

t		t	t	t	t	t	t	t -	t	t	t	t
t		t	t	t	t	t	t	t	-	t	t	t
		t	t	t	t	t	t	t	t	t	t	-
	·		-	t	t	t	t	t	t	t	t	-
		'		-	t							

Hoary Redpoll

Carduelis hornemanni

WWW----WW---W----W --W--W--W---

t	t	-	-	-	-	-	-	t	t	-	t
-	t	-	~	t		t	-	-	-	-	t
	t	t	t	t	t	-	t	-	-	t	-
		-	-	t	-	t	t	-	t	-	_
			-	-				•			

Pine Siskin Carduelis pinus

	b B b	t t B t B	ь ь в ь ь	b	В	- t	Ь	t	t t	t	-	t
	B b	b B b b	B t B b	b t b b	В	b	В	b b	- b	t	-	t
•		b b B B	ь ь В ь	b B t b	t b b	В	b	ВВ	-	b	Ь	b
	,		b b	В	В	B B B t	b b b	В	t	b	b	b
				b	B B							

American Goldfinch Carduelis tristis

WW-----Www-w------ wWW-W----

b b	b	t b b t b	Ь	b b	b t b	В	b b	b	b b	Ь	b B
b	b B b t	b	b b B b b	b b	b b	В	B b b	рр	t t	b	рр
	b B	b	b B t	ь В ь	В	B b	Ь	b	Ь	b	Ь
		b b	В	b B	B b B t	В	b b В b	ь В ь в	ь b b b	b	p p
			b	b b							

Evening Grosbeak Coccothraustes vespertinus

	b b	В	t B b b B	- t	t	t	t	t -	t	t	-	t
	B b b	b t b	B t B b	b b	b	t	В	b	t	t	t	t
•		b b B B	bb B t	b b t	B b b	b	t	t	t	t	t	t
			b b	В	В	В В Ь	b	b	t	t	t	t
				t -	b							

■ Passeridae

House Sparrow
Passer domesticus
(introduced)

- 9

В	ВВ	В В b В	В	b В В	B B B B	В	B b	ВВ	ВВ	В	В
b B	t B B b	B b	В В b	В	b b	В	В	В	t B B	В	b
	ВВ	ь В	В	b B B t	р	b B	В	b	В	В	b b
		Ь	В	B B	B B t	В	В	Ь	t b b	t b B	В
			ь	b							

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Appendix A. List of Threatened, Endangered, and Sensitive Species (TES) and species requiring Supplemental Information (SI)

TES

Common Loon

American White Pelican

White-faced Ibis Trumpeter Swan Harlequin Duck

Bald Eagle

Northern Goshawk Ferruginous Hawk Peregrine Falcon Whooping Crane Snowy Plover Piping Plover Mountain Plover

Least Tern

Flammulated Owl Burrowing Owl Great Gray Owl

Boreal Owl

Black-backed Woodpecker

Dickcissel

Sage Sparrow

Le Conte's Sparrow

SI

Double-crested Cormorant[®]

Great Blue Heron

Black-crowned Night Heron*

Mute Swan
Franklin's Gull'
Ring-billed Gull'
California Gull'
Caspian Tern'
Common Tern'
Forster's Tern'

Eastern Screech-owl Western Screech-owl Northern Flicker⁺ Cassin's Kingbird

Yellow-rumped Warbler⁺

Dark-eyed Junco[†] Northern Oriole[†] Rosy Finch[†]

TES - Threatened, Endangered or Sensitive species. Please provide information on precise location, numbers of individuals, date of observation and details on nesting, if any.

SI - Species poorly known; little information on habitat preferences; questions on distribution; *subspecies distribution requested; *nesting colonies. Please provide date of observation, information on precise location, habitat, nesting details, if any.

Appendix B. Neotropical Migratory Bird Species in Montana

Killdeer Mountain Plover Marbled Godwit

Long-billed Curlew

Willet

Spotted Sandpiper Upland Sandpiper

Turkey Vulture
Golden Eagle
Northern Harrier

Sharp-shinned Hawk

Cooper's Hawk Northern Goshawk Broad-winged Hawk Red-tailed Hawk Swainson's Hawk Ferruginous Hawk

Osprey

American Kestrel

Merlin

Prairie Falcon Peregrine Falcon Mourning Dove

Yellow-billed Cuckoo Black-billed Cuckoo Short-eared Owl Long-eared Owl Flammulated Owl Burrowing Owl Common Poorwill

Common Nighthawk

Black Swift Chimney Swift Vaux's Swift

White-throated Swift

Black-chinned Hummingbird Ruby-throated Hummingbird

Calliope Hummingbird
Broad-tailed Hummingbird
Rufous Hummingbird
Belted Kingfisher
Lewis' Woodpecker
Williamson's Sapsucker
Yellow-bellied Sapsucker
Red-naped Sapsucker

Eastern Kingbird Cassin's Kingbird

Western Kingbird

Great Crested Flycatcher Olive-sided Flycatcher Eastern Wood-Pewee

Eastern Phoebe Say's Phoebe

Hammond's Flycatcher

Dusky Flycatcher Least Flycatcher Willow Flycatcher Cordilleran Flycatcher

Horned Lark Tree Swallow Purple Martin

Violet-green Swallow

Northern Rough-winged Swallow

Bank Swallow
Cliff Swallow
Barn Swallow
Brown Creeper
House Wren
Marsh Wren
Sedge Wren
Rock Wren

Ruby-crowned Kinglet Eastern Bluebird Western Bluebird

Mountain Bluebird Townsend's Solitaire

Veery

Swainson's Thrush Hermit Thrush American Robin Loggerhead Shrike Northern Mockingbird

Gray Catbird Sage Thrasher Sprague's Pipit Water Pipit Cedar Waxwing

Yellow-throated Vireo

Bell's Vireo
Solitary Vireo
Red-eyed Vireo
Warbling Vireo
Tennessee Warbler

Orange-crowned Warbler

Nashville Warbler

Black-and-white Warbler

Yellow-rumped Warbler

Townsend's Warbler

Yellow Warbler

MacGillivray's Warbler

Wilson's Warbler

Ovenbird

Northern Waterthrush

Common Yellowthroat

American Redstart

Yellow-breasted Chat

Rose-breasted Grosbeak

Black-headed Grosbeak

Lazuli Bunting

Indigo Bunting

Dickcissel

Rufous-sided Towhee

Green-tailed Towhee

Grasshopper Sparrow

Baird's Sparrow

Vesper Sparrow

Savannah Sparrow

Lark Sparrow

Sage Sparrow

Chipping Sparrow

Clay-colored Sparrow

Brewer's Sparrow

Dark-eyed Junco

White-crowned Sparrow

Fox Sparrow

Song Sparrow

Swamp Sparrow

Lincoln's Sparrow

Chestnut-collared Longspur

McCown's Longspur

Lark Bunting

Bobolink

Western Meadowlark

Red-winged Blackbird

Yellow-headed Blackbird

Brewer's Blackbird

Orchard Oriole

Northern Oriole

Western Tanager

Scarlet Tanager

Pine Siskin

American Goldfinch

Cassin's Finch

Appendix C. Hypothetical Species List

Some of these sighting are very old and probably should not be considered as species likely to be found in Montana. They have been carried over from the Third Edition pending further review by the editors and the verification committee. The newer records have not been reviewed by the verification committee and may be incorporated into the Fifth Edition.

Common Eider. L24: 1907.

Eskimo Curlew. L12: 1858, 1862, 1973. Spotted Owl. L2: 1927. L3: 1959, 1976. 'Yellow-bellied Sapsucker. QLL 3C: 1991. Bewick's Wren. L15: 1973. L25: 1973.

Phainopepla. L3

Bell's Vireo. L12: 1858.

Blue-winged Warbler. L41: 1984. Virginia's Warbler. L37: 1976.

*Painted Redstart. QLL 25A: 1987.

*Cardinal. QLL 42C: 1987. Painted Bunting. L43: 1978.

^{*}new since the Third Edition

Appendix D. Breeding Status Code Definitions

- B Use of the "B" to designate breeding requires "hard evidence." A "B" can be hard to get. Do not assume breeding simply by presence or behavior. Use the "B" only if one of the following criteria are met.
 - 1. Occupied nest. Adults entering or leaving nest site in circumstances indicating an occupied nest (includes high nests or nest-holes, the contents of which cannot be seen) or adult incubating or brooding.
 - 2. Recently fledged young (of altricial species) incapable of sustained flight, or downy young (of precocial species) restricted to the natal area by dependence on adults or limited mobility.
 - 3. Attending young; adult carrying food or fecal sac for young, or feeding recently fledged young.
 - 4. Used nest or eggshells found (Caution: identification must be convincing if such records are to be accepted).
 - 5. Nest with egg(s) which can be clearly identified. The presence of cowbird eggs or young is confirmation of breeding for both cowbird and host species.
 - 6. Nest with young, seen or heard, which can be clearly identified.
- **b** Breeding is supported by circumstantial evidence.
 - 1. Singing males, pairs or territorial birds observed in suitable nesting habitat during the species' breeding season.
 - 2. Courtship behavior or copulation.
 - 3. Adults visiting a probable nest site.
 - 4. Agitation behavior, distraction display, injury feigning, or anxiety calls from an adult.
 - 5. Nest building.
 - 6. Physiological evidence of breeding (brood patch or eggs in oviduct) based on bird in hand.
- t No evidence of breeding. Transients; migrants; or mobile, wide ranging species that exhibit no breeding behavior at the time of observation.
- No records

Observer's Name: Species: ____ Date Observed: _____ Address: Reporter's Name: _____ Date Written: _____ Telephone No: ____ Other Observers: ____ Nearest Town/Landmark: Specific Location: __Township____Range____Section____ Describe the Habitat: ___ Plumage(Circle) Sex ___M Describe Weather: _____
Adult Immature Adult Immature ___F
Subadult Juvenal ___Unk ____ Optics Used and Power: X Binoculars X Spotting Scope Unaided Eye Quality and direction of light. Distance from Bird: _____ Duration of Observation: _____ Previous Experience with Species? Where and when: Discuss How Similar Appearing Species were Eliminated: This Report was Written: ___ During or right after observation ____ From memory ___hrs/__days later. Describe the bird you observed. Record only field marks and behaviors you actually saw. State size (compared to similar size common bird). Record relevant information such as color, body shape, bill, legs, voice, behavior, no. of individuals, sex. Use back of form if more space is needed. Please include any photos or drawings. Print or type clearly.

Send your report to:

Montana Bird Distribution Update
Natural Heritage Program
1515 East Sixth Avenue
Helena, MT 59620

4th Ed|1992

Quarter Latilong (QLL) Recording Sheet Appendix F.

PH:	Location											
	Date											
Address	Status(B,b,t, $\overline{\mathrm{W}}$,w)											
011Name	Common Name											

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NOTES

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 - a. whole latilong records only (no quarters)

1. Are the maps in this book intelligible and useful?

- b. same as this book
- c. quarter latilong records only (no centers)
- d. other:
- 3. Do you have any comments or suggestions regarding the maps of winter records?
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 - c. other:
- 6. Would you recommend any additions to or deletions from the current set of "observation types" (B,b,t,w,W)?

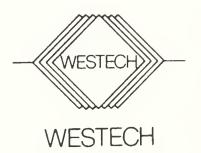
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